

# TA-F444ESX/F700ES

## SERVICE MANUAL

2485  
TA-F444ESX:  
*E Model*

TA-F700ES:

*US Model*

*Canadian Model*

*AEP Model*

*UK Model*

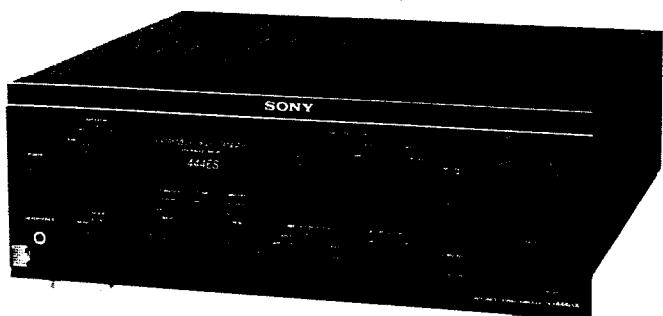


Photo: TA-F444ESX

### SPECIFICATIONS

#### AUDIO POWER SPECIFICATIONS (US Model)

#### POWER OUTPUT AND TOTAL HARMONIC DISTORTION:

With 4 ohm loads, both channels driven, from 20 – 20,000 Hz; rated 140 watts per channel minimum RMS power, with no more than 0.008% total harmonic distortion from 250 milliwatts to rated output.

With 8 ohm loads, both channels driven, from 20 – 20,000 Hz; rated 105 watts per channel minimum RMS power, with no more than 0.004% total harmonic distortion from 250 milliwatts to rated output.

#### OTHER SPECIFICATIONS

Item	Condition	Data
Continuous RMS power output (both channels driven simultaneously)	4 ohms 20 Hz - 20 kHz THD 0.008% 0.009% (G-AEP)	145 W + 145 W (AEP, G-AEP, UK, E)
	6 ohms 20 Hz - 20 kHz THD 0.006% 0.008% (G-AEP)	125 W + 125 W (AEP, G-AEP, UK, E) 120 W + 120 W (US, Canadian, North European countries)
	8 ohms 20 Hz - 20 kHz THD 0.004% 0.006% (G-AEP)	110 W + 110 W (AEP, G-AEP, UK, E) 105 W + 105 W (US, Canadian, North European countries)

Power band - width (IHF)	4 ohms. 0.02%	10 Hz - 100 kHz
	8 ohms, THD 0.02%	10 Hz - 100 kHz
	Dynamic headroom ('78 IHF)	4 ohms 3 dB 8 ohms 2 dB
	Total harmonic distortion	4 ohms, at 10 watt output 0.006% 6 ohms, at 10 watt output 0.004% 8 ohms, at 10 watt output 0.002%

— Continued on page 2 —

#### SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

#### ATTENTION AU COMPOSANT AYANT RAPPORT A LA SECURITE!

LES COMPOSANTS IDENTIFIÉS PAR UNE TRAME ET UNE MARQUE SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

**INTEGRATED STEREO AMPLIFIER**  
**SONY®**



MICROFILM

AUD

# TA-F444ESX/F700ES

Intermodulation (IM) distortion 60 Hz: 7 kHz = 4 : 1	4 ohms at rated output	0.008% 0.009% (G-AEP)
	6 ohms at rated output	0.006% 0.008% (G-AEP)
	8 ohms at rated output	0.004% 0.006% (G-AEP)
Damping factor	8 ohms, 1 kHz	100
Slew rate	—	125 V/μsec 250 V/μsec (inside)
Residual noise	network A	less than 115 μV
Frequency response	PHONO MM	RIAA equalization curve ±0.2 dB
	TUNER, CD TAPE 1, 2, 3	2 Hz - 200 kHz -0 dB -3 dB
		2 Hz - 100 kHz 0 dB -3 dB (G-AEP)
Input sensitivity	PHONO MC 3 ohms	0.17 mV, 33 ohms (G-AEP)
		0.17 mV, 100 ohms (US, Canadian AEP, UK, E)
	40 ohms	0.17 mV, 100 ohms (G-AEP)
		0.17 mV, 1 kohm (US, Canadian AEP, UK, E)
	MM	2.5 mV, 50 kohms
	TUNER, CD, AUX. TAPE 1, 2, 3 ADAPTOR IN	150 mV, 50 kohms
Maximum input capability (1 kHz)	PHONO (1 kHz, THD 0.003%)	MC 9 mV
	THD	MM 150 mV
S/N (network) 78 IHF	PHONO	MC 76 dB, 68 dB (A)
		MM 80 dB, 87 dB (A)
	TUNER, CD, AUX. TAPE 1, 2, 3 ADAPTOR IN	84 dB 105 dB (A)
Output voltage impedance	REC OUT 1, 2, 3 ADAPTOR OUT	150 mV, 1 kohm
	HEADPHONES	25 milliwatts (at 8 ohms) Accepts low and high impedance headphones.
Tone controls	BASS, at 100 Hz	-4 dB -3.5 dB (turnover freq. 200 Hz)
		-5 dB (turnover freq. 400 Hz)
	TREBLE, at 10 kHz	-7 dB -8 dB (turnover freq. 3 kHz)
		-4 dB -5 dB (turnover freq. 5 kHz)
SUBSONIC filter	—	6 dB/octave attenuation below 15 Hz

## General

System	Preamplifier section: Low-noise FET high gain NFB type equalizer amplifier, passive type direct tone control Power amplifier section: purecomplementary SEPP power amplifier
Power requirements	US, Canadian Model: 120V AC, 60Hz AEP, G-AEP Model: 220V AC, 50/60Hz UK Model: 240V AC, 50Hz E Model: 120, 220, or 240V AC adjustable, 50/60Hz

## Power consumption

US Model: 330 watts  
Canadian Model: 760VA  
G-AEP Model: 390 watts  
UK Model: 350 watts  
AEP Model: 270 watts  
E Model: 390 watts

## AC outlets

US Canadian Model:  
2 switched, total 100 watts max.,  
2 unswitched, total 100 watts max.  
AEP, G-AEP, UK Model: 1 switched, 100 watts max.  
E Model: 1 switched, 100 watts max.

## Dimensions

Approx. 430 × 160 × 436 mm (w/h/d)  
(17 × 6 3/8 × 17 1/4 inches)

## Weight

including projecting parts and controls

Approx. 18.3 kg (40 lbs 6 oz) net

## FEATURES

### Newly developed technologies assure excellent performance and tone quality

#### Pure sound

A head chassis, named "Gibraltar" which provides high rigidity and periodic damping characteristics, is employed to reduce distortion caused by vibrations. This reduces air vibrations caused by floor and speakers and also reduces vibrations caused by the power transformer and power transistors.

#### Spontaneous twin drive power circuit

Condensers having large capacity are used for the voltage amplification drive stage of class A and power output stage of class B. Thus, a stable output and high quality sound are obtained, resulting in exclusion of power interferences. The class A stage realizes a stable operation free from interference of the power stage even when an instantaneous or strong output is received.

#### Simple and direct tone control

The tone controls consist of only passive elements to minimize the deterioration of tone quality at the tone control circuit.

Tone control elements can be passed by depressing the tone switch.

#### Source direct switch

A source direct switch is employed to reproduce high fidelity sound.

Any source can be reproduced without passing through the circuits of tone control, subsonic filter, mode switch and balance control.

#### Super legato linear system

The power amplifier drives low impedance speakers and assures powerful reproduction without low crossover distortion and switching distortion over the wide range. (Low impedance instantaneous service output 350 W + 350 W, 1 ohm loaded)

## SAFETY CHECK-OUT (US Model)

After correcting the original service problem, perform the following safety check before releasing the set to the customer:

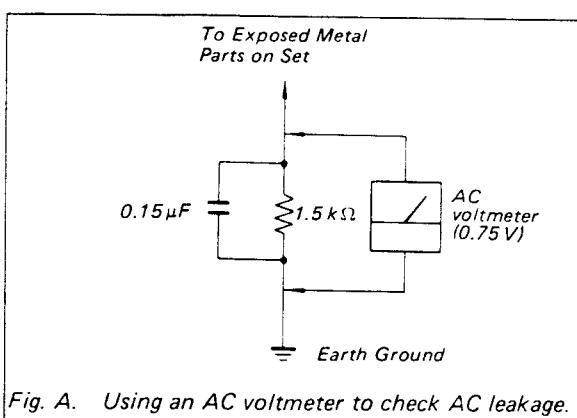
Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

### LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

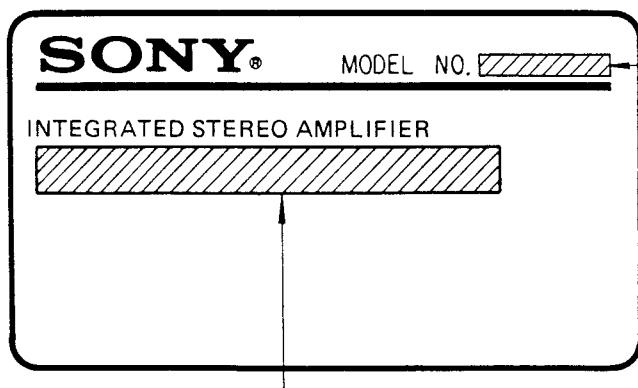
1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.

3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)



### MODEL IDENTIFICATION

— Specification Label —



E Model: TA-F444ESX  
 US Model: TA-F700ES  
 Canadian Model: TA-F700ES  
 AEP Model: TA-F700ES  
 UK Model: TA-F700ES  
 G-AEP Model: TA-F700ES

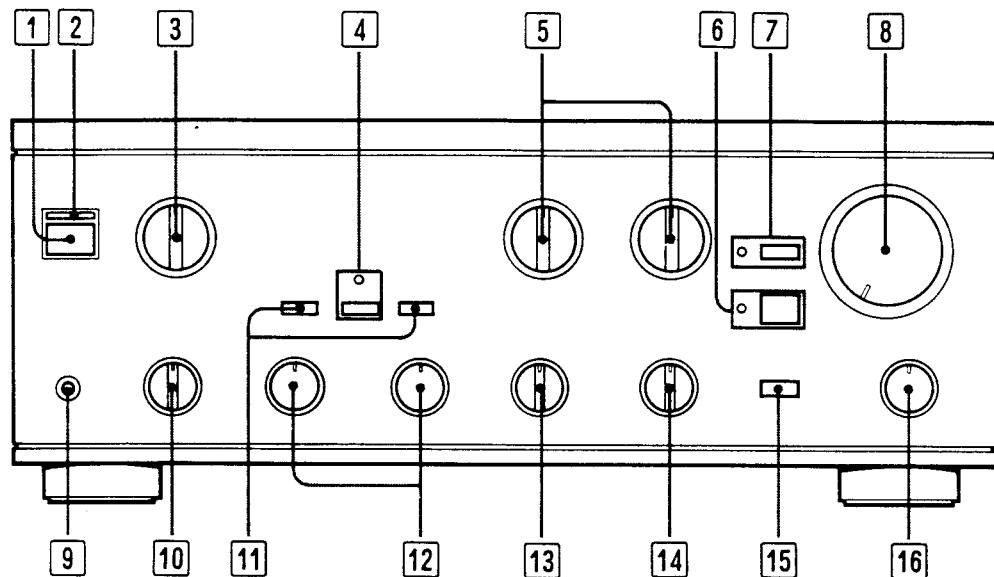
US Model	:	AC120V	60Hz	330W
Canadian Model	:	AC120V	60Hz	760VA
AEP Model	:	AC220V	50/60Hz	270W
G-AEP Model	:	AC220/240V	50/60Hz	390W
UK Model	:	AC220/240V	50/60Hz	350W
E Model	:	AC120/220/240V	50/60Hz	390W

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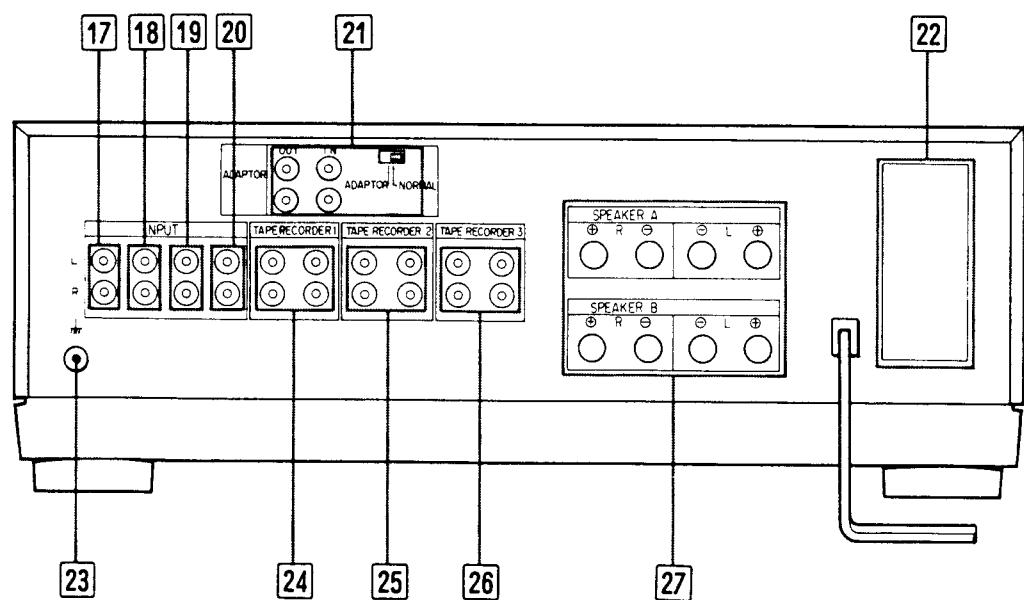
<u>Title</u>	<u>Description</u>	<u>Page</u>
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## FUNCTION OF CONTROLS

Front panel / Panneau avant / Vorderseite / Panel frontal / Voorpaneel



Rear panel / Panneau arrière / Rückseite / Panel posterior / Achterpaneel



# TA-F444ESX/F700ES

## Front panel

### 1 POWER switch

### 2 Power/standby indicator

Immediately after turning ON the power, the standby indicator lights in red as the built-in muting circuit activates.  
When the amplifier stays in a stable operating condition, the indicator lights in green.  
The indicator lights in red when the unit detects shorting of circuit of the speaker outputs or in case of short-circuit of the inputs of DC components.  
In such a case, disconnect the power source and check the connected components and speaker systems.

### 3 SPEAKERS selector

Select speaker system A or B, or both.  
For headphone monitoring only, set the selector to OFF.

### 4 TONE switch and indicator

Depress the switch to activate the tone control circuit.  
Red indicator lights.

### 5 INPUT SELECTOR and TAPE input selector

To select the desired program source, use the INPUT SELECTOR.  
To select TAPE 1, 2 or 3, set the INPUT SELECTOR to TAPE and set the TAPE input selector to the desired tape input position.

### 6 SOURCE DIRECT switch and indicator

Depress the switch. The red indicator lights and the circuits of the TONE switch, SUBSONIC filter switch, BALANCE control and MODE switch are disengaged without regard to the setting of the switches.  
When this switch is activated, the indicator of the TONE switch does not light.

### 7 MUTING switch and indicator

Generally, keep the switch released (OFF).  
Depress the switch to reduce the sound level by 20dB.  
(Output voltage becomes 1/10.)

### 8 ATTENUATOR knob

Regulates the sound level.

### 9 HEADPHONES jack (stereo phone jack)

### 10 MODE selector

STEREO: For listening to a stereo program.  
MONO: For listening to a monaural program.

### 11 TURNOVER frequency selection switches

Switch the turnover frequency.

### 12 BASS and TREBLE controls

These controls activate when the TONE switch is depressed.

### 13 REC OUT SELECTOR

Selects the program source sent to the REC OUT jacks (rear panel).

### 14 CARTRIDGE LOAD selector

Set the selector according to your cartridge.  
MM: For moving-magnet type cartridge  
MC: For moving-coil type cartridge  
40 Ω: For a cartridge with an impedance of 40 ohms or more.  
3 Ω: For a cartridge with an impedance of 3 ohms to 40 ohms.

### 15 SUBSONIC filter switch

Depress the switch to reduce unwanted noise components of less than 15Hz, which cause modulation noise.

### 16 BALANCE control

Controls the sound level of left and right speakers.

**Rear panel****17 PHONO input jacks****18 TUNER input jacks****19 CD (Compact Disc) input jacks****20 AUX (Auxiliary) input jacks****21 ADAPTOR IN/OUT (input and output) jacks and adaptor switch**

The OUT jacks output the signals selected by the INPUT SELECTOR on the front panel and the IN jacks receive the signals.

When an additional equipment such as a graphic equalizer is connected, set the adaptor switch to ADAPTOR.

When the jacks are not used, set the switch to NORMAL.

**22 AC OUTLET(s) and VOLTAGE SELECTOR (E Model)**

The AC OUTLET is used to power other audio components whose total power consumption is less than the wattage indicated near the AC OUTLET.

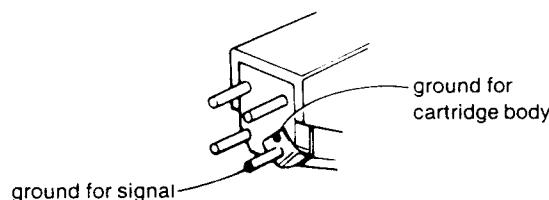
**23 Ground terminal  $\frac{1}{4}$** 

To prevent hum, be sure to connect the ground wire of the turntable system to this ground terminal. If hum still exists, it may be helpful to connect the ground terminal directly to earth via a ground rod.

**Note**

In some particular MM cartridges, the ground for signal is connected to the ground for cartridge body.

If this type of cartridge should be installed to a metal cartridge shell, current will flow through the tonearm ground in a loop and will cause hum noise. In this case, disconnect the turntable ground wire from the  $\frac{1}{4}$  terminal of the amplifier, or disconnect the ground for cartridge body from the ground for signal.

**24 25 26 TAPE RECORDER 1, 2, 3 input/output jacks**

REC OUT (recording output) jacks: Accept the tape input jacks of the tape recorder.

To connect a hi-fi video cassette recorder, connect the audio line input jacks of the video cassette recorder to these jacks.

TAPE (tape input) jacks: Accept the REC output jacks of the tape recorder.

To connect a hi-fi video cassette recorder, video disc player or TV tuner, connect the audio line output jacks of each equipment to these jacks.

**27 SPEAKER output terminals**

Two pairs of speaker systems can be connected.

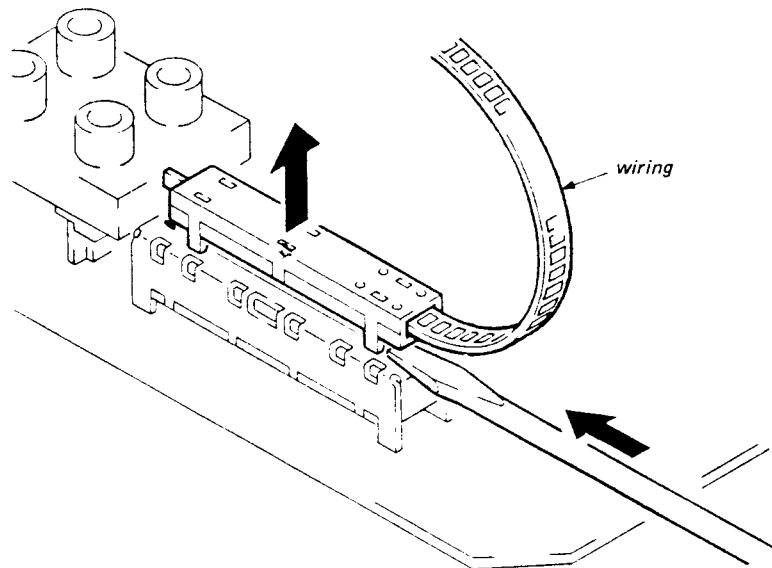
System A, system B or system A and B can be selected by means of the front panel SPEAKERS selector.

## NOTE ON REPAIRING DISASSEMBLY AND ASSEMBLY FOR SWITCH SECTION

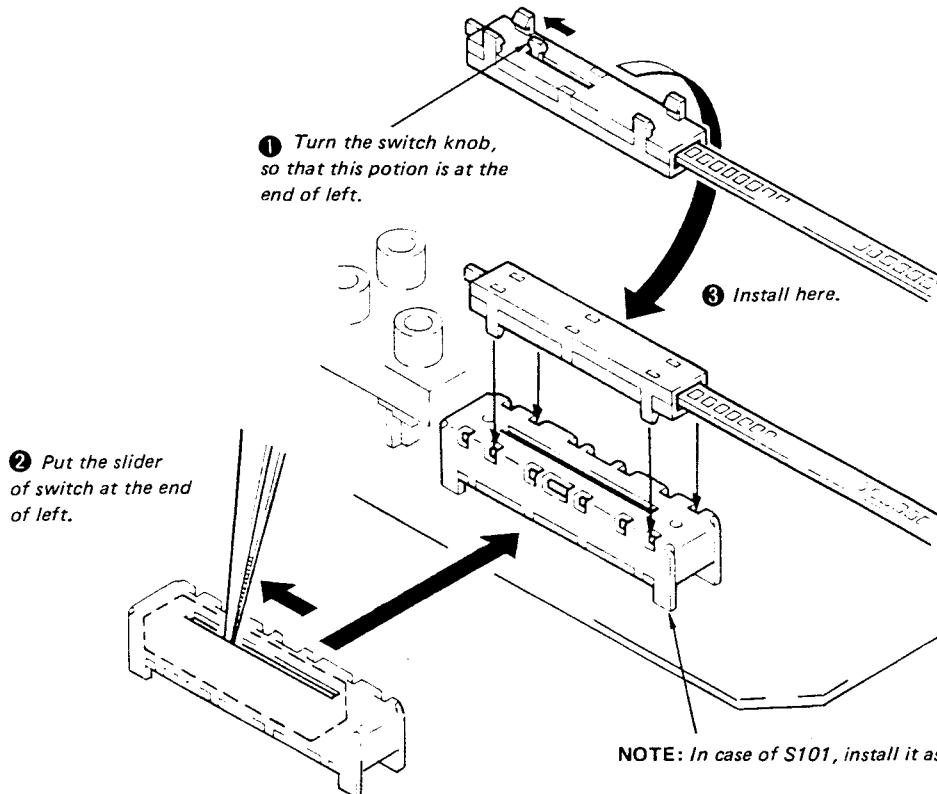
Note: Follow the assembly procedure in the numerical order given.

### DISASSEMBLY

Insert in the screwdriver and remove the wiring as illustrated below  
CAUTION: Don't pull the wiring. It causes the wiring damage.

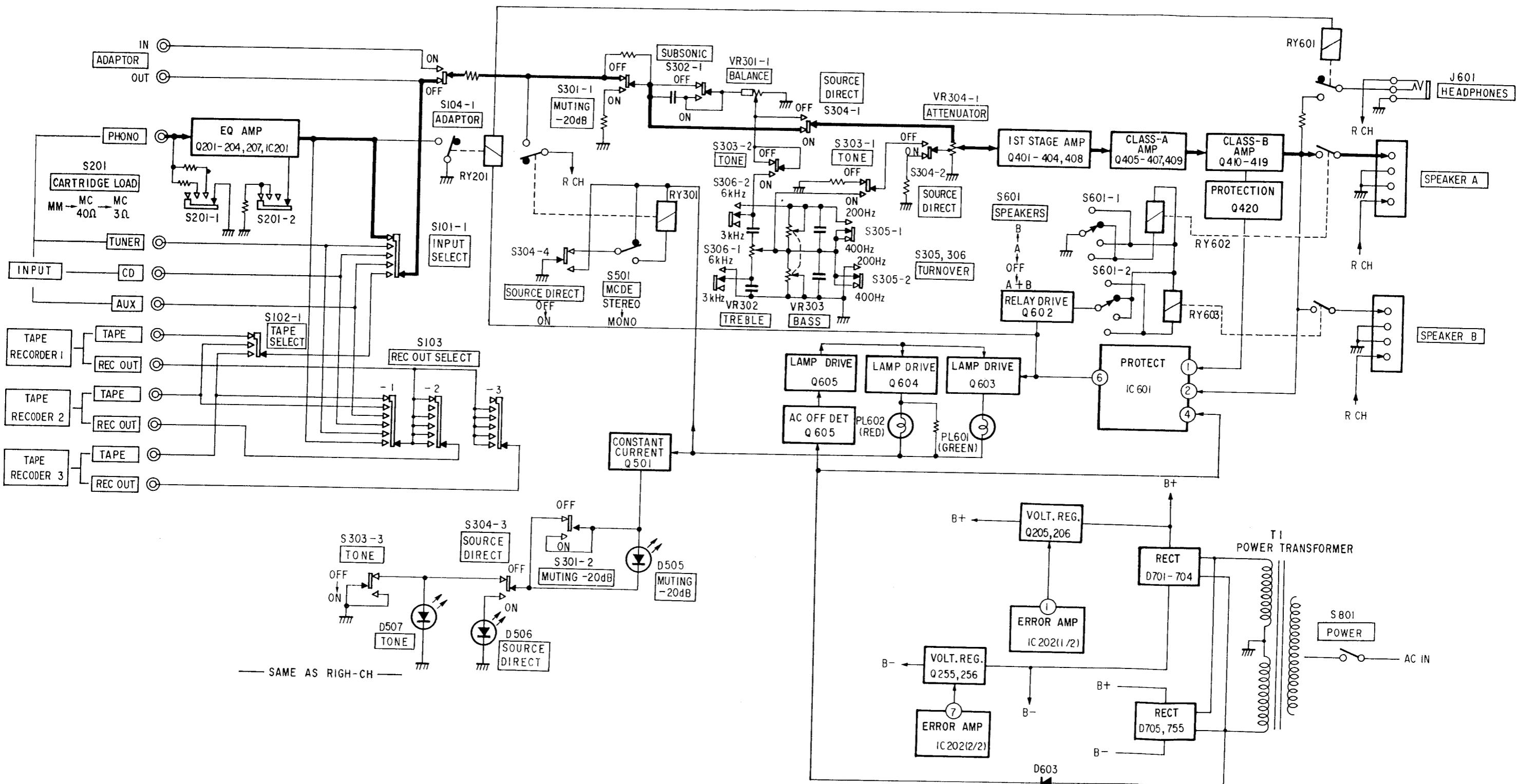


### ASSEMBLY



# TA-F444ESX/F700ES

## SECTION 1 BLOCK DIAGRAM



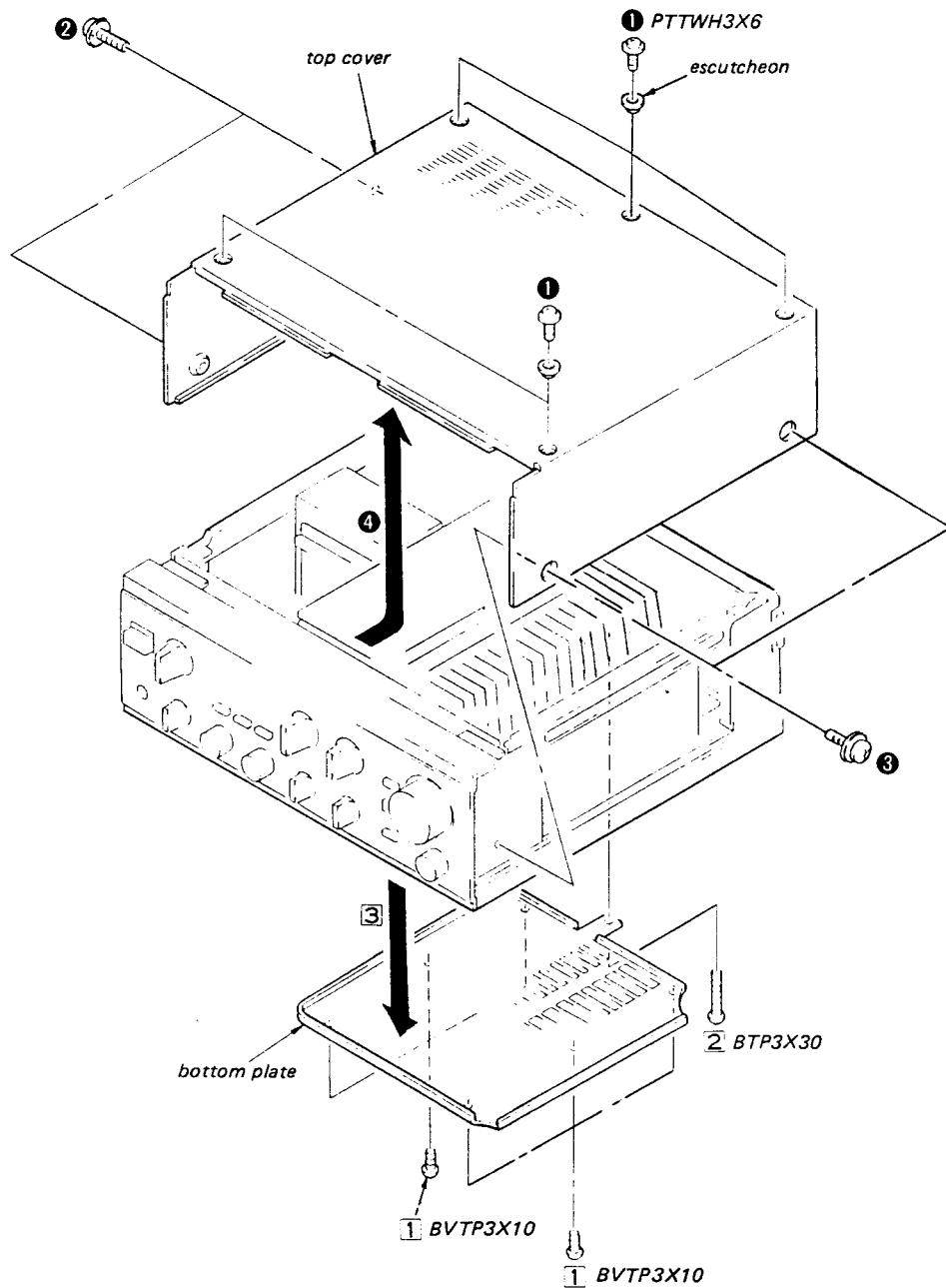
## SECTION 2 DISASSEMBLY

Note: Follow the disassembly procedure in the numerical order given.

### TOP COVER AND BOTTOM PLATE REMOVAL

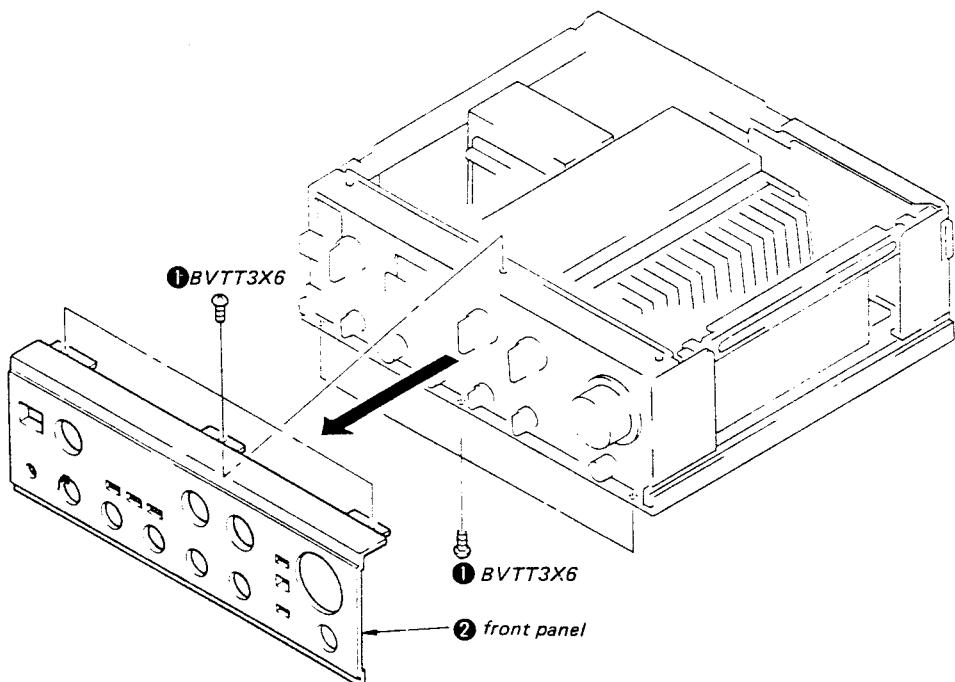
TOP COVER : ① ~ ④

BOTTOM PLATE : ① ~ ③

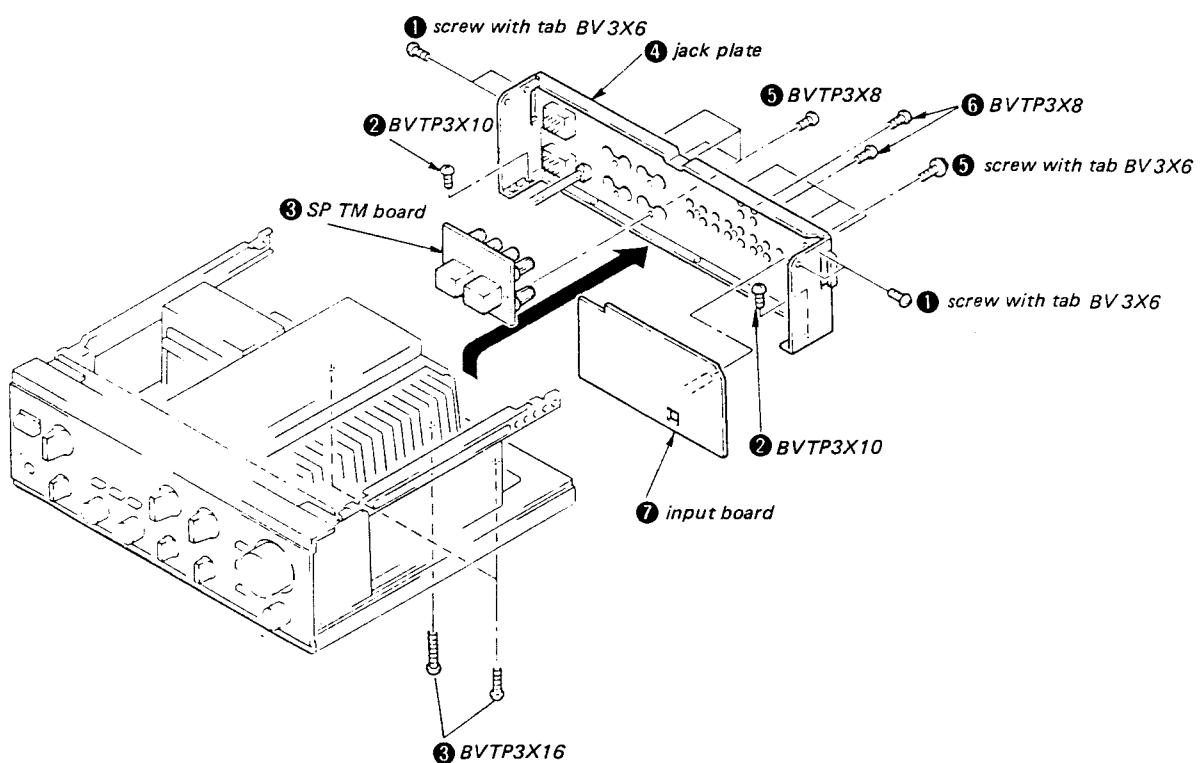


# TA-F444ESX/F700ES

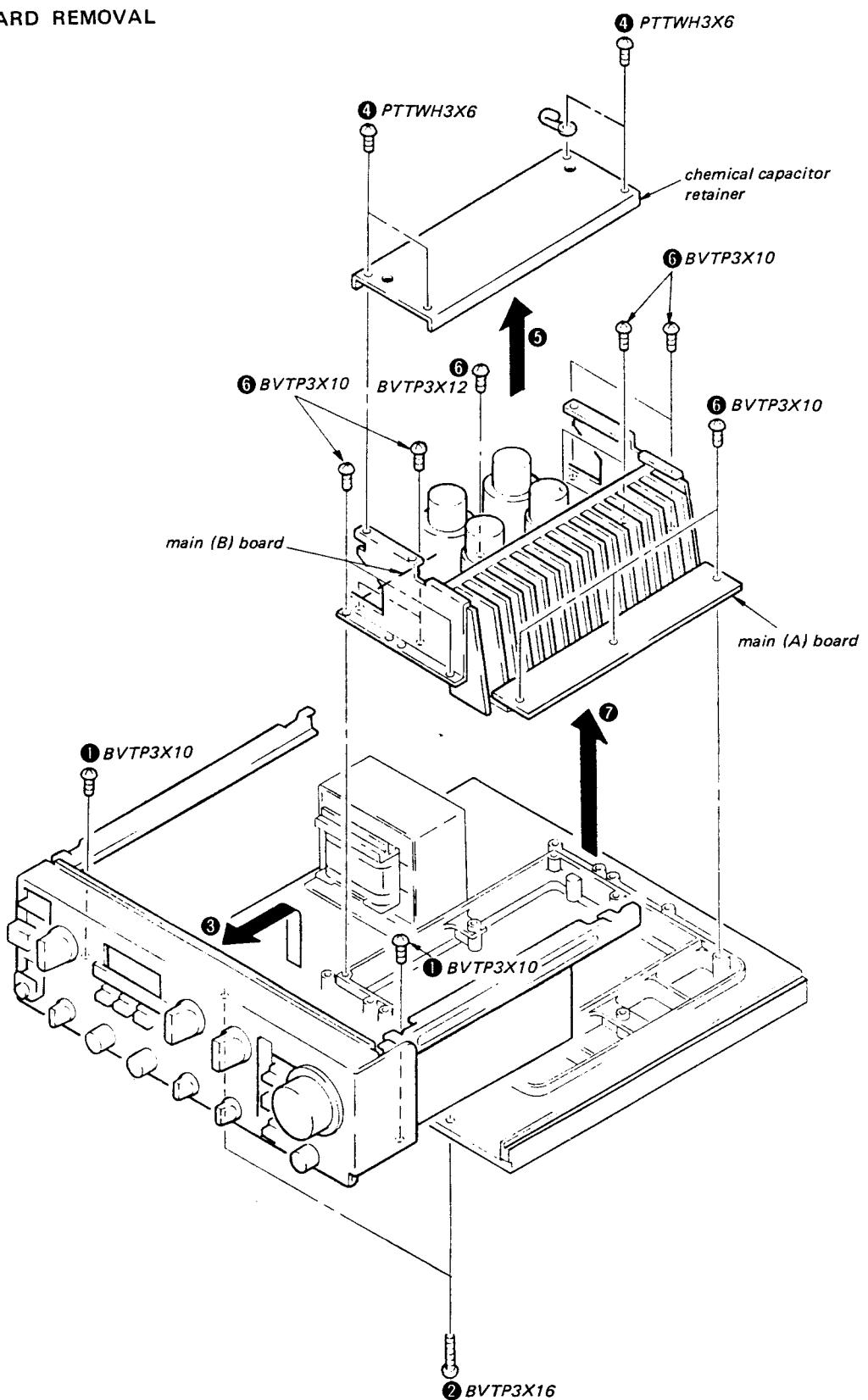
## FRONT PANEL REMOVAL



## JACK PLATE REMOVAL



## MAIN BOARD REMOVAL



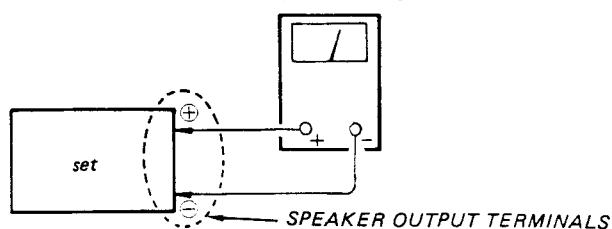
## SECTION 3 ADJUSTMENTS

### NOTE:

- Adjustments should be performed 10 minutes after the POWER switch is on (POWER ON).

### OFFSET Adjustment

VOM (dc 0.3V range)



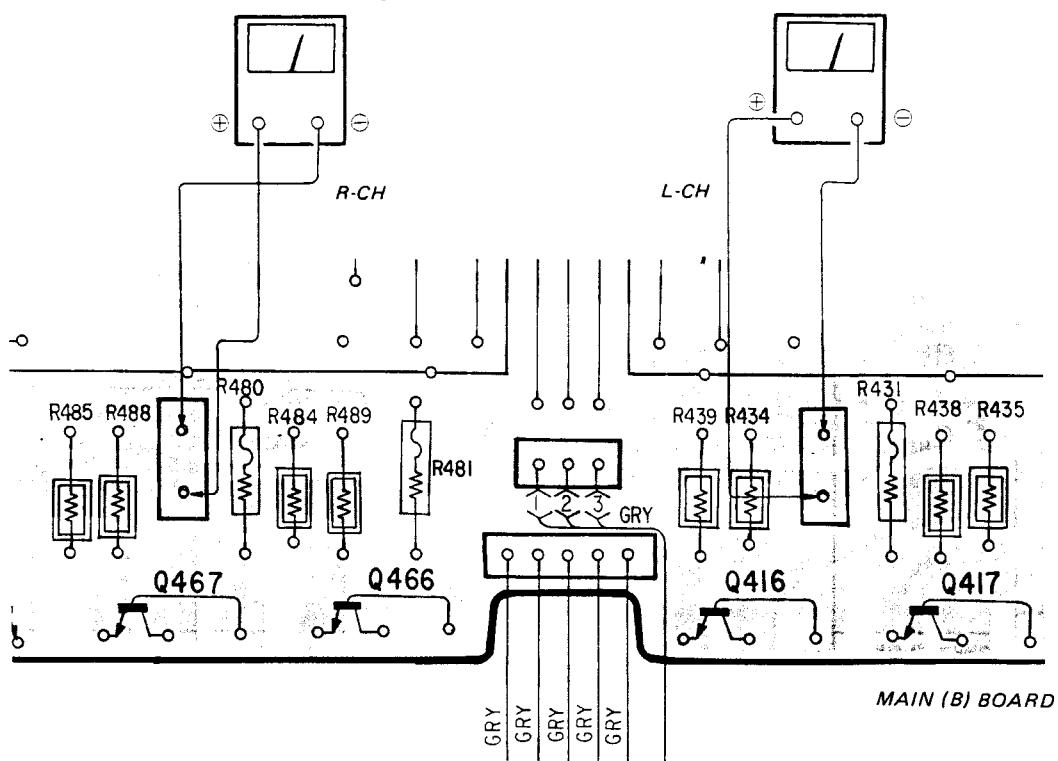
1. Turn the ATTENUATOR knob fully counterclockwise under no-signal conditions.
2. Adjust RT401 and RT451 for 0V readings VOM.

### DC BIAS Adjustment

1. Turn the ATTENUATOR knob fully counterclockwise under no-signal conditions.
2. Adjust RT402 and RT452 for 15mV readings on VOM.

VOM (dc 0.3V range)

VOM (dc 0.3V range)



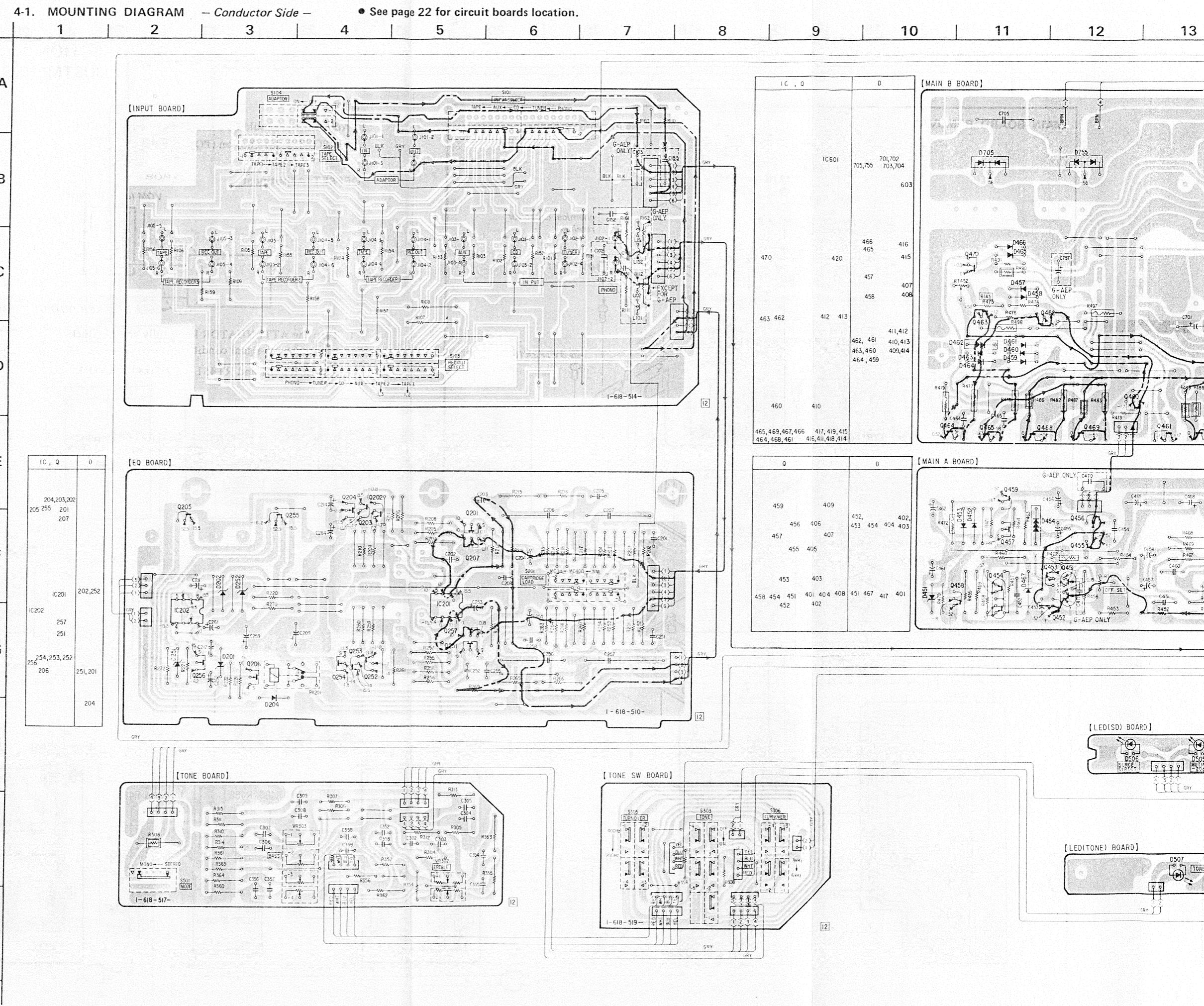
4-1. MOUNTING DIAGRAM — Conductor Side —

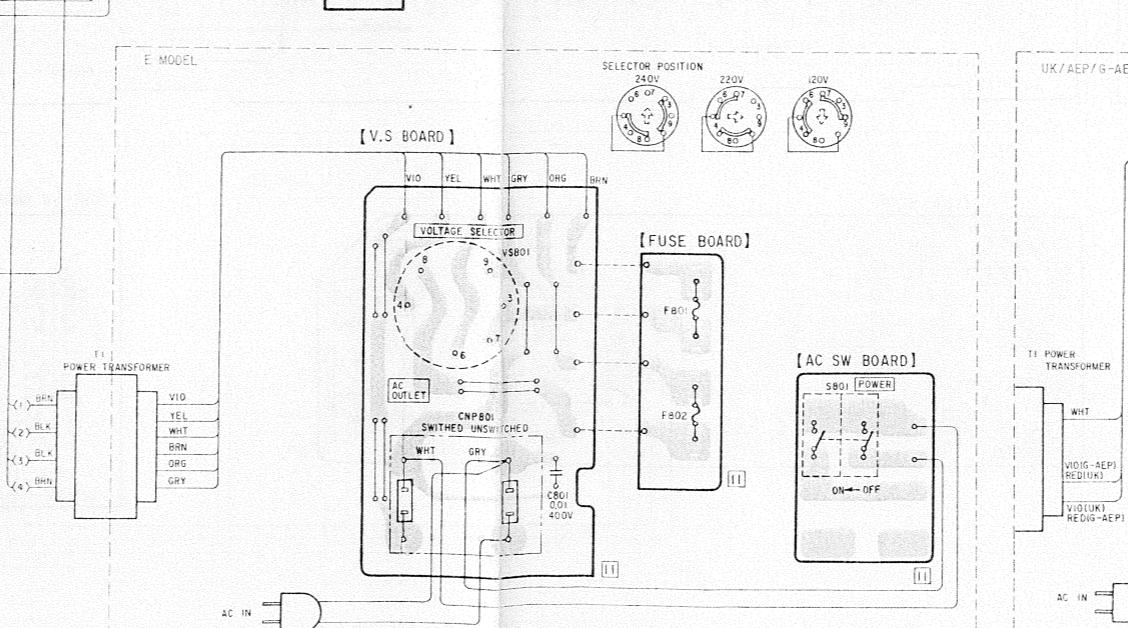
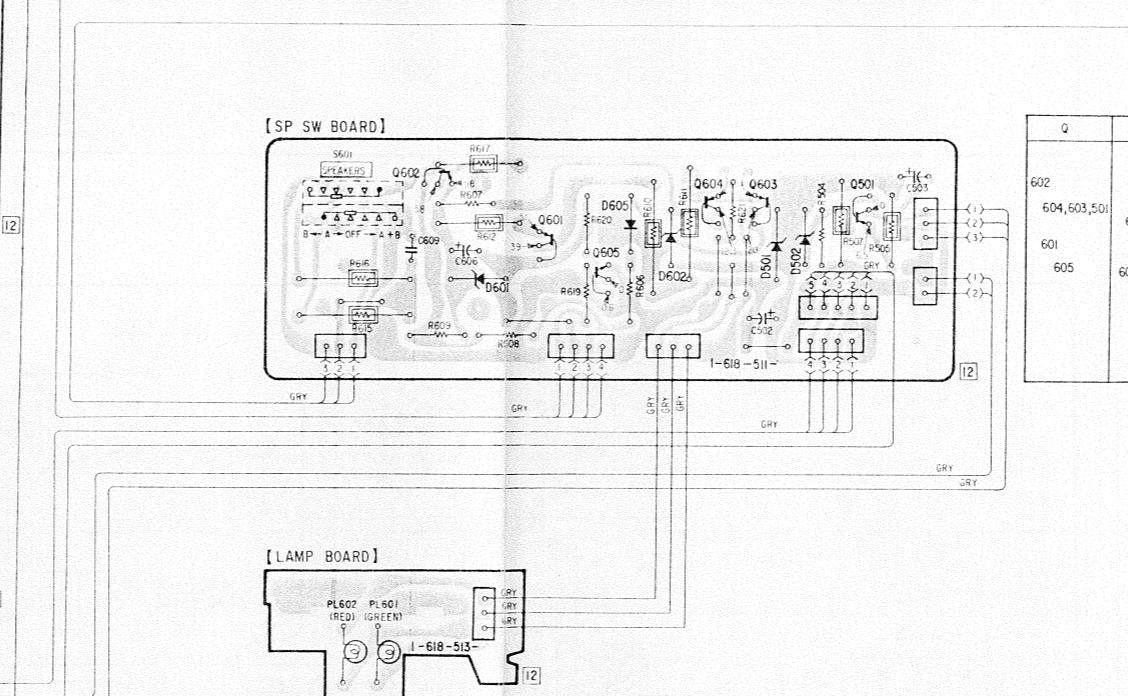
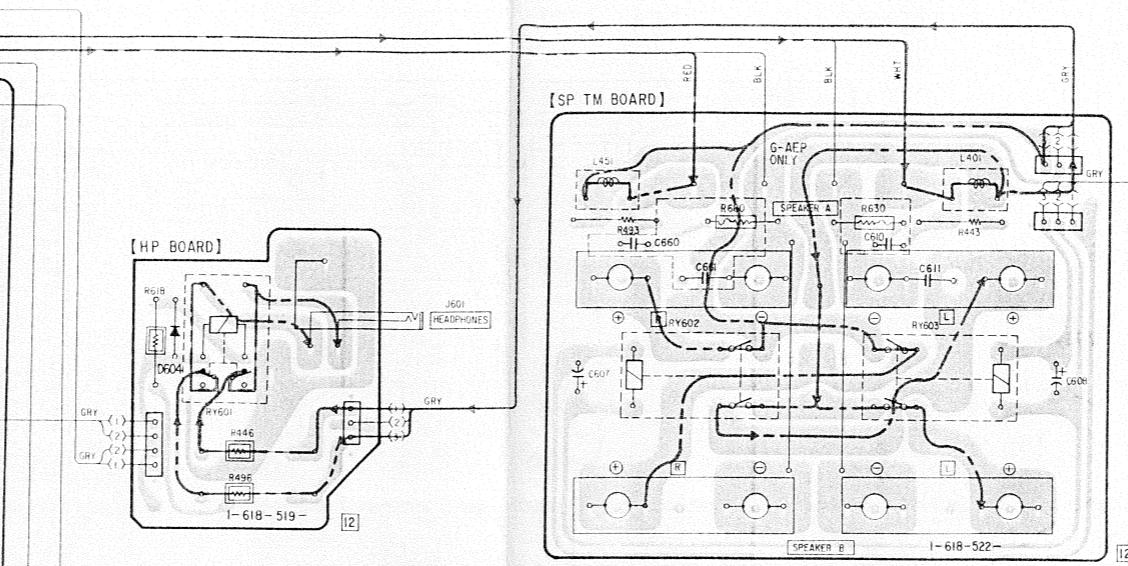
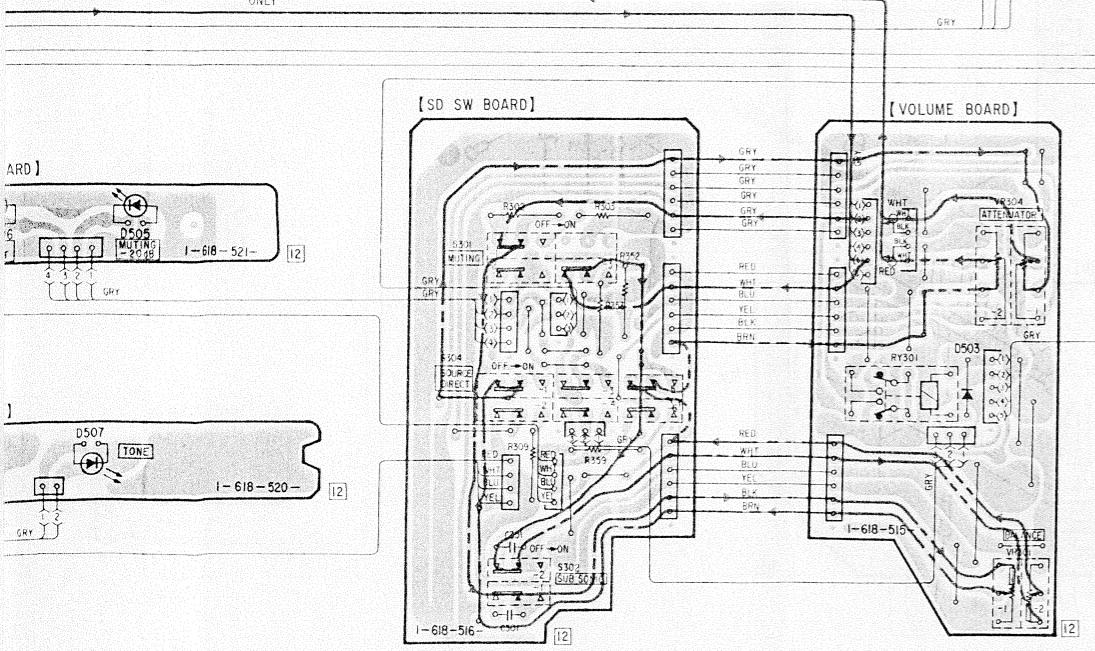
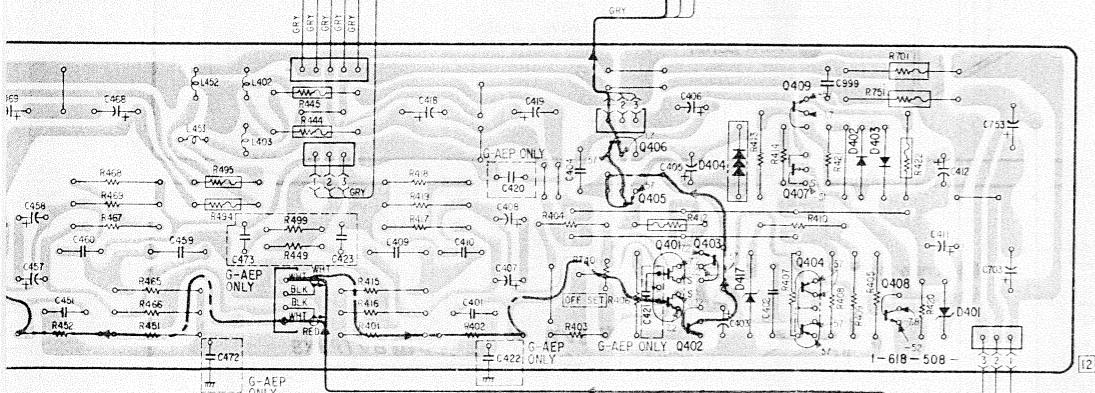
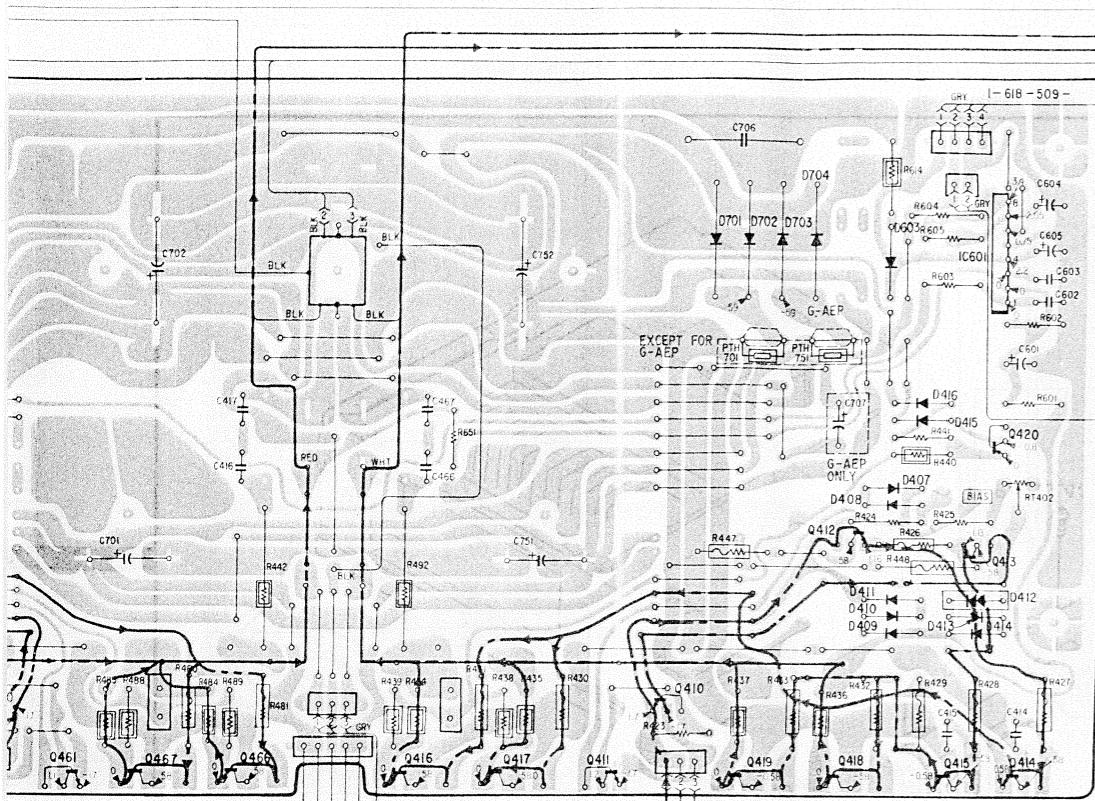
• See page 22 for circuit boards location.

**SECTION 4  
DIAGRAMS**

• SEMICONDUCTOR LEAD LAYOUTS

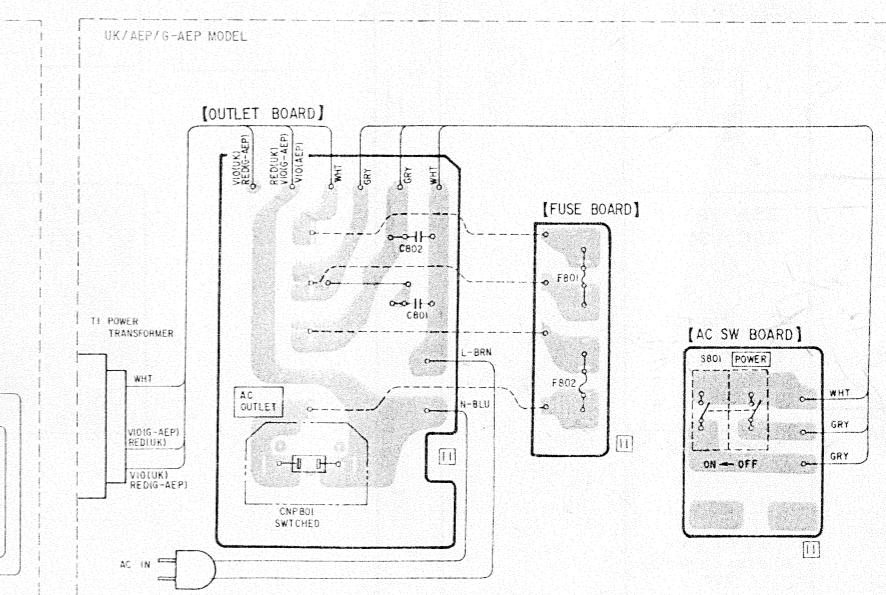
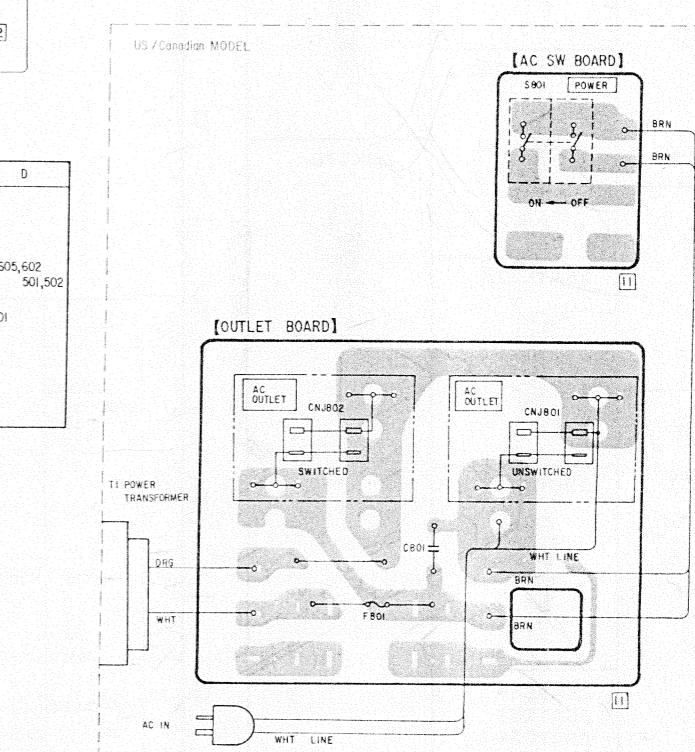
M5218P M5220P NJM5532D-D	2SA995	2SB734
UPC1237H	2SA988-F 2SB647 2SC1841-PA	2SA1142 2SB731 2SD668 2SD809
CTU22R CTU22S	2SK246GR2	2SK170
ISS132	2SA1027R	
30DF2 EQB01-12Z	2SC634SP	
10E2 HZ6C3L HZ7B2L HZ9B2L HZ11A1L HZ15-3L	2SA985A 2SA1383 2SB1094-L 2SC3514 2SC2275-P	
SV-02 SV-03	2SA1186 2SC2837	
SEL2810A	2SK389-GR	





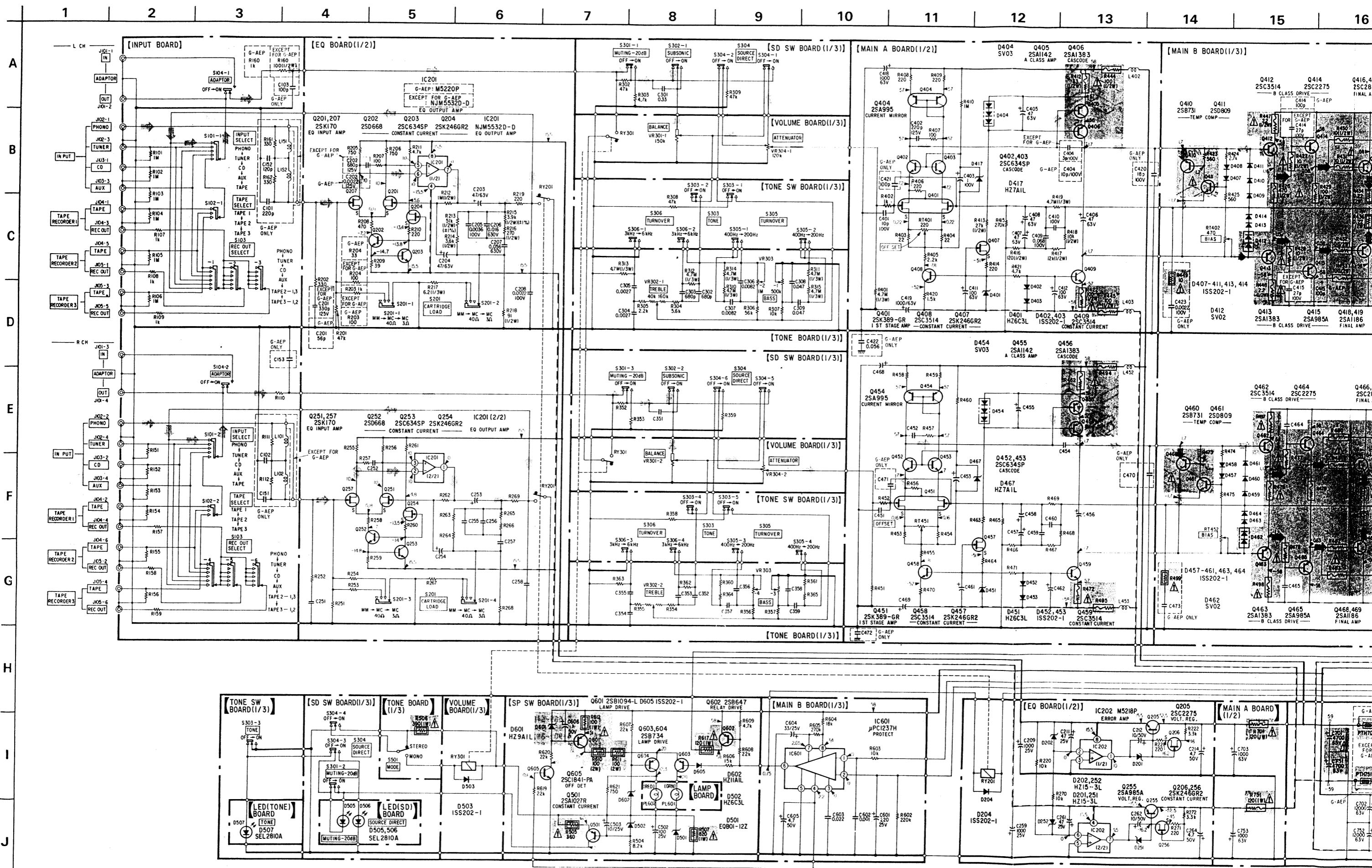
#### Note on Mounting Diagram

-  : signal path
  -  : L-CH signal path
  -  : R-CH signal path



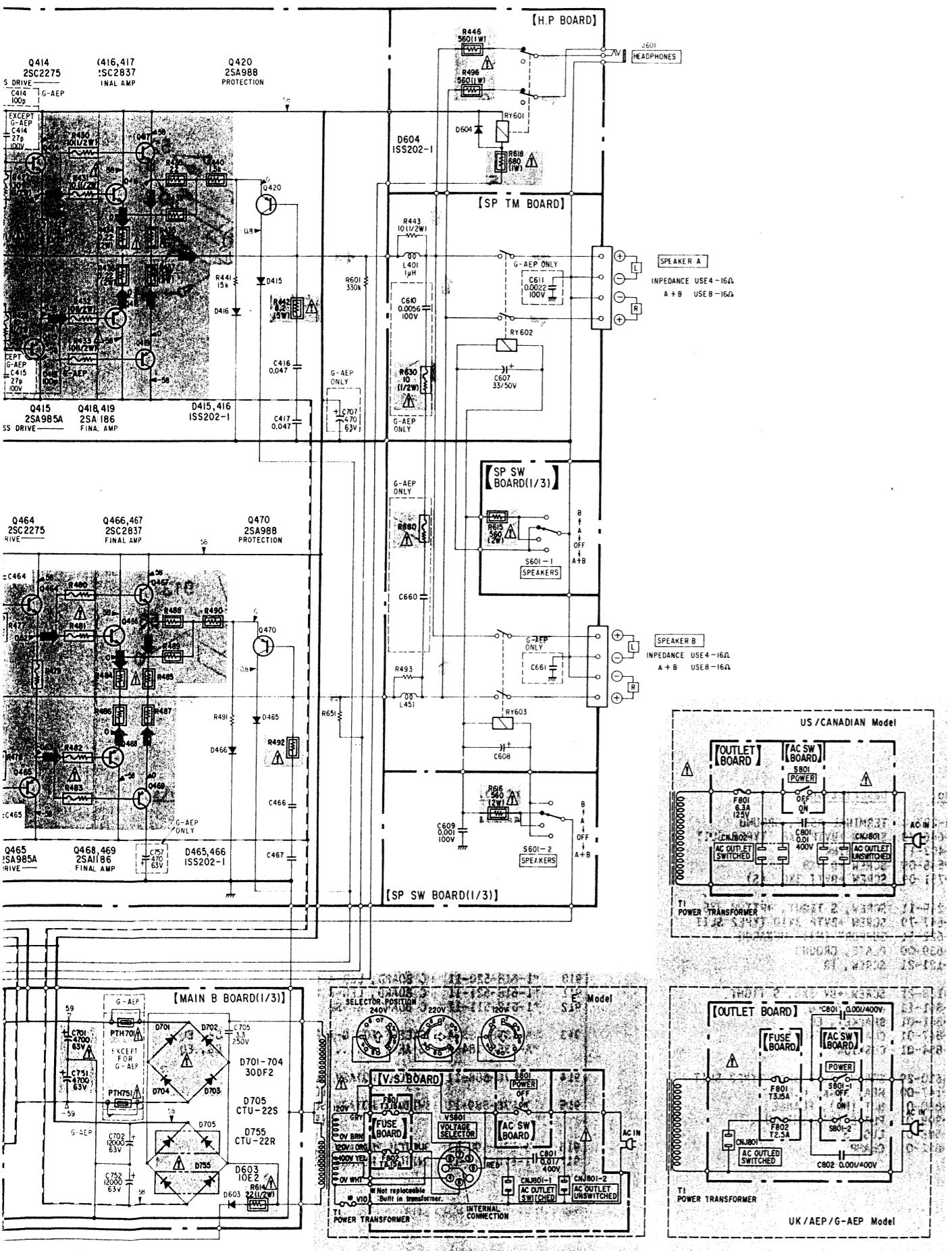
# TA-F444ESX/F700ES TA-F444ESX/F700ES

## 4-2. SCHEMATIC DIAGRAM



# **TA-F444ESX/F700ES**

**16**      **17**      **18**      **19**      **20**      **21**      **22**



### Note on Schematic Diagram

### Note:

- All capacitors are in  $\mu\text{F}$  unless otherwise noted. pF:  $\mu\mu\text{F}$   
50 WV or less are not indicated except for electrolytics and tantalums.
  - All resistors are in  $\Omega$  and  $1/4\text{W}$  or less unless otherwise specified.
  -  : signal path.

**Note:** The components identified by shading and mark  
⚠ are critical for safety. Replace only with  
part number specified.

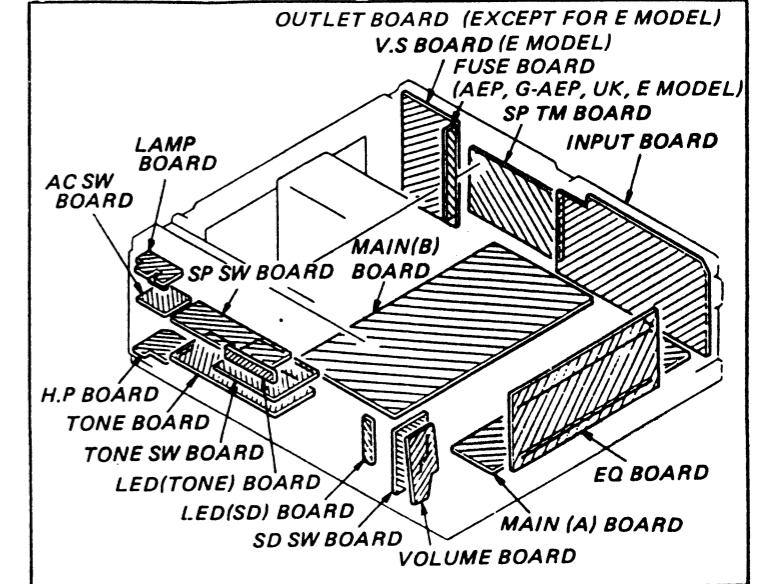
Note: Les composants identifiés par une trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- Components for right channel have same values as for left channel.
-  : nonflammable resistor.
-  : fusible resistor.
- Switch

Ref. No.	Switch	Position
S101	INPUT SELECT	PHONE
S102	TAPE SELECT	TAPE 1
S103	REC OUT SELECT	PHONO
S104	ADAPTOR	OFF
S201	CARTRIDGE LOAD	MM
S301	MUTING -20dB	OFF
S302	SUBSONIC	OFF
S303	TONE	OFF
S304	SOURCE DIRECT	OFF
S305	TURN OVER	400Hz
S306	TURN OVER	3kHz
S501	MODE	STEREO
S601	SPEAKER	A
S801	POWER	OFF
VS809	VOLTAGE SELECTOR (E MODEL)	-

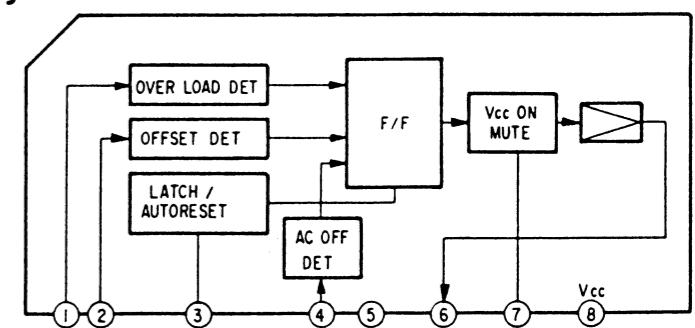
- : B+ bus.
  - : B- bus.
  - : adjustment for repair.
  - Voltages are dc with respect to ground unless otherwise noted.
  - Readings are taken under no-signal conditions with a VOM (50 k $\Omega$ /V).
  - Voltage variations may be noted due to normal production tolerances.

## **• CIRCUIT BOARDS LOCATION**



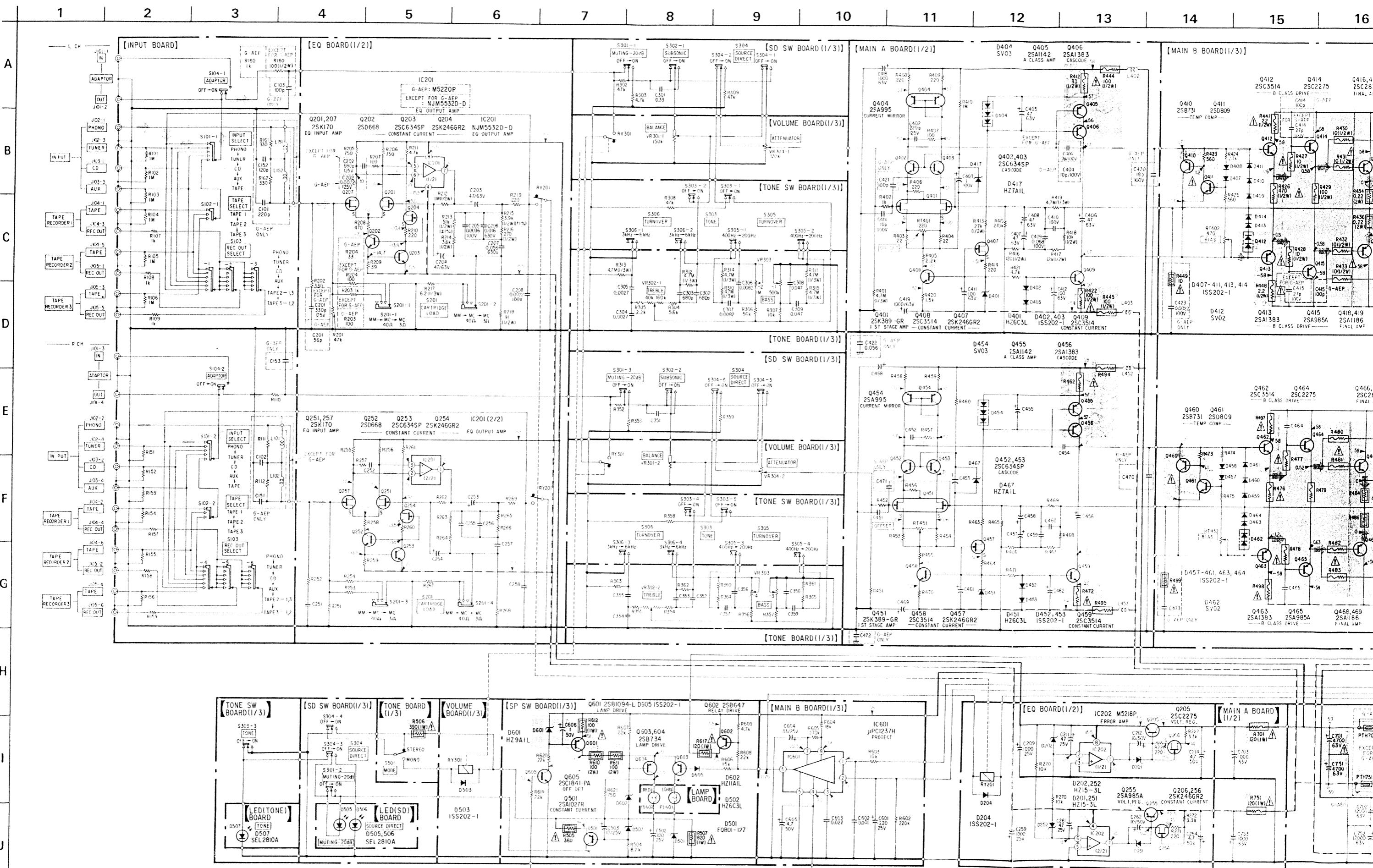
IC BLOCK DIAGRAM

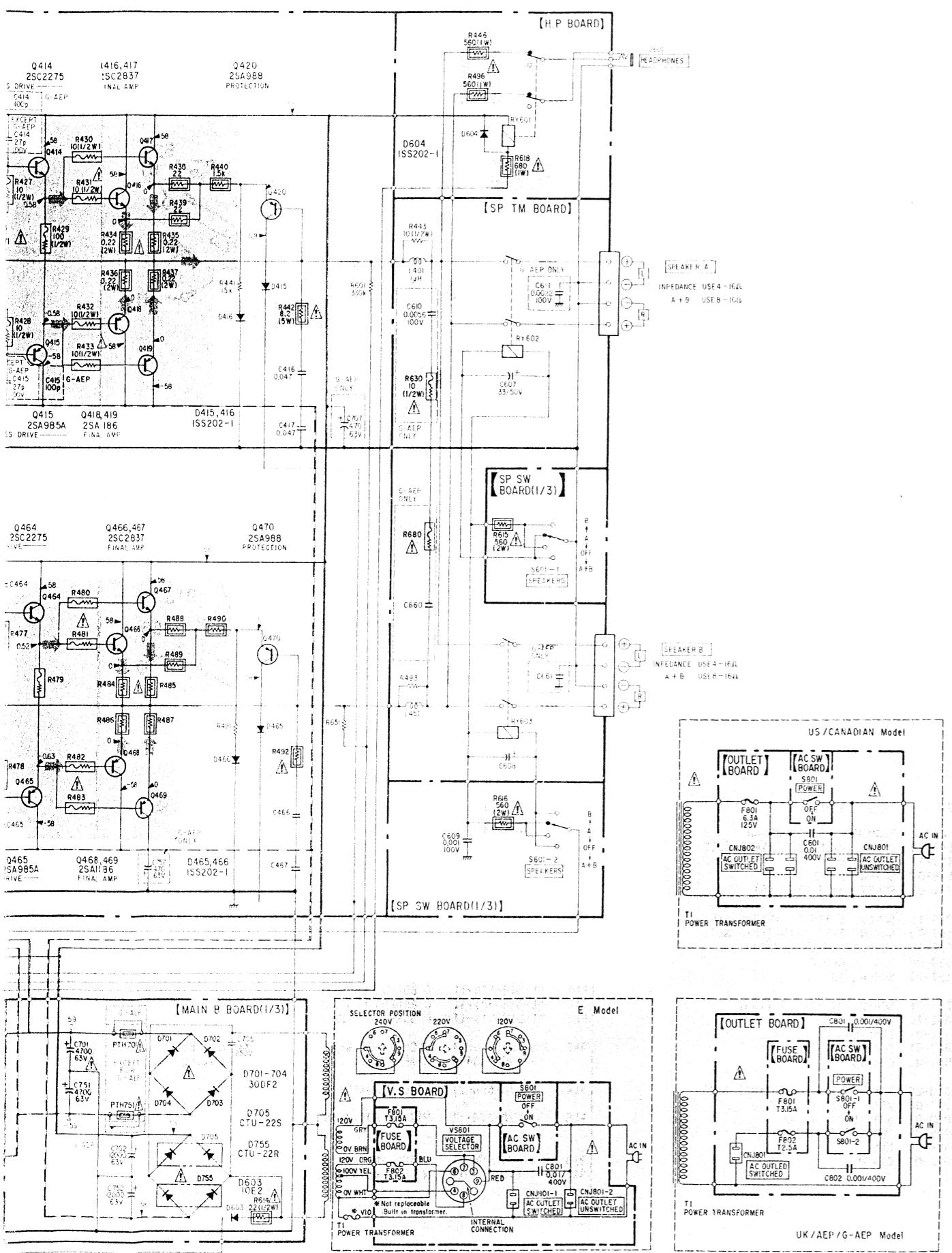
μPCI237H



**TA-F444ESX/F700ES**

**• 4-2. SCHEMATIC DIAGRAM**





#### Note on Schematic Diagram

**Note:**

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50 WV or less are not indicated except for electrolytics and tantalums.
  - All resistors are in  $\Omega$  and  $1/4\text{W}$  or less unless otherwise specified.
  -  : signal path.

Note: The components identified by shading and mark  
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part number specified.

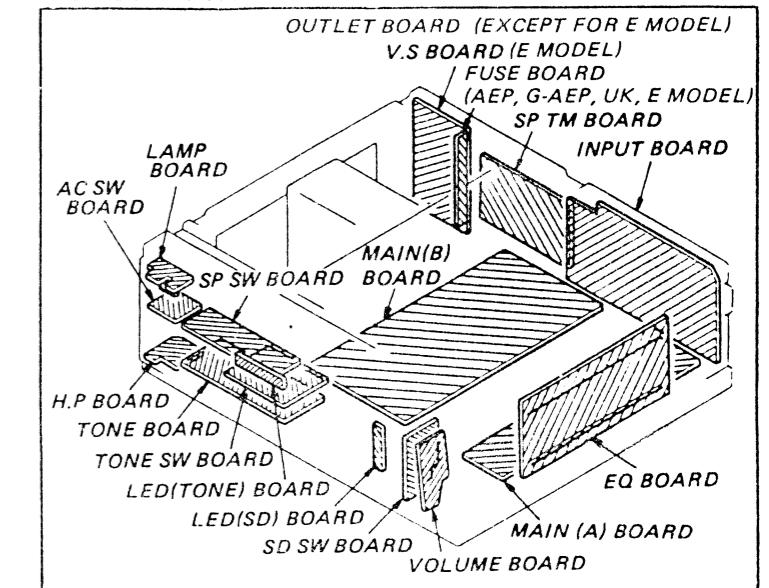
Note: Les composants identifiés par une trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- Components for right channel have same values as for left channel.
  -  : nonflammable resistor.
  -  : fusible resistor.
  - Switch

Ref. No.	Switch	Position
S101	INPUT SELECT	PHONE
S102	TAPE SELECT	TAPE 1
S103	REC OUT SELECT	PHONO
S104	ADAPTOR	OFF
S201	CARTRIDGE LOAD	MM
S301	MUTING -20dB	OFF
S302	SUBSONIC	OFF
S303	TONE	OFF
S304	SOURCE DIRECT	OFF
S305	TURN OVER	400Hz
S306	TURN OVER	3kHz
S501	MODE	STEREO
S601	SPEAKER	A
S801	POWER	OFF
VS809	VOLTAGE SELECTOR (E MODEL)	-

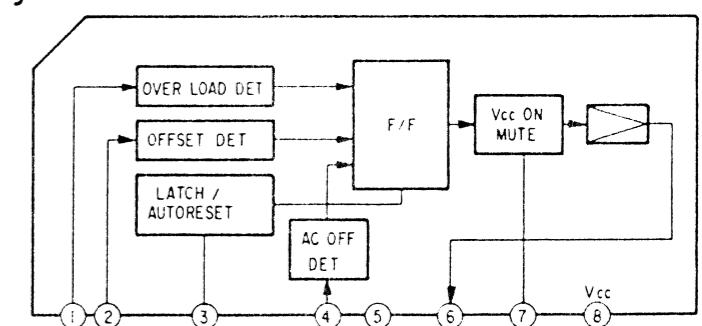
-  : B+ bus.
  -  : B- bus.
  -  : adjustment for repair.
  - Voltages are dc with respect to ground unless otherwise noted.
  - Readings are taken under no-signal conditions with a VOM (50 k $\Omega$ /V).
  - Voltage variations may be noted due to normal production tolerances.

#### • CIRCUIT BOARDS LOCATION



IC BLOCK DIAGRAM

μPCI237H



## SECTION 5

### EXPLODED VIEWS AND PARTS LIST

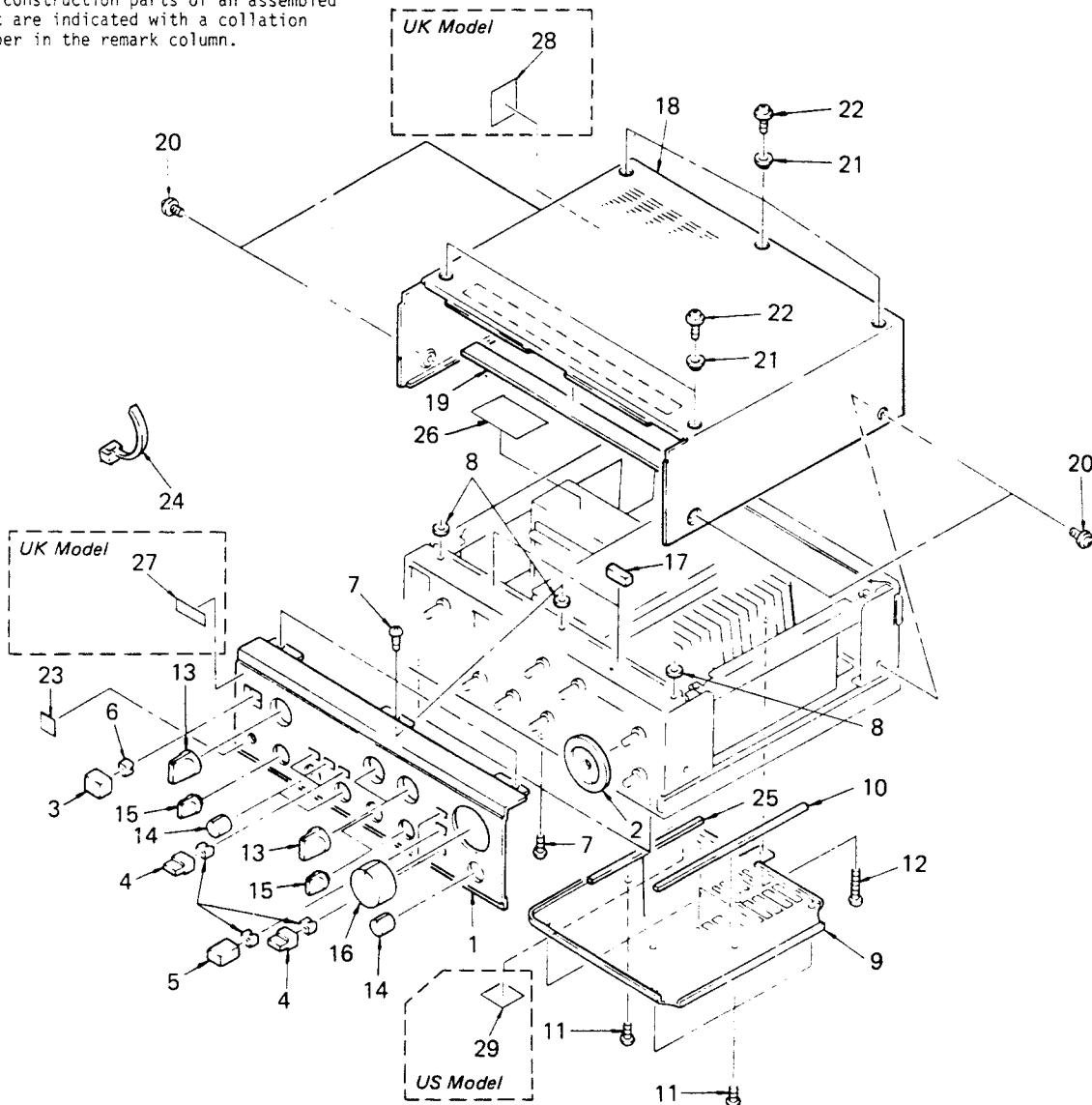
**NOTE:**

- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked " \* " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The construction parts of an assembled part are indicated with a collation number in the remark column.

The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque **A** sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

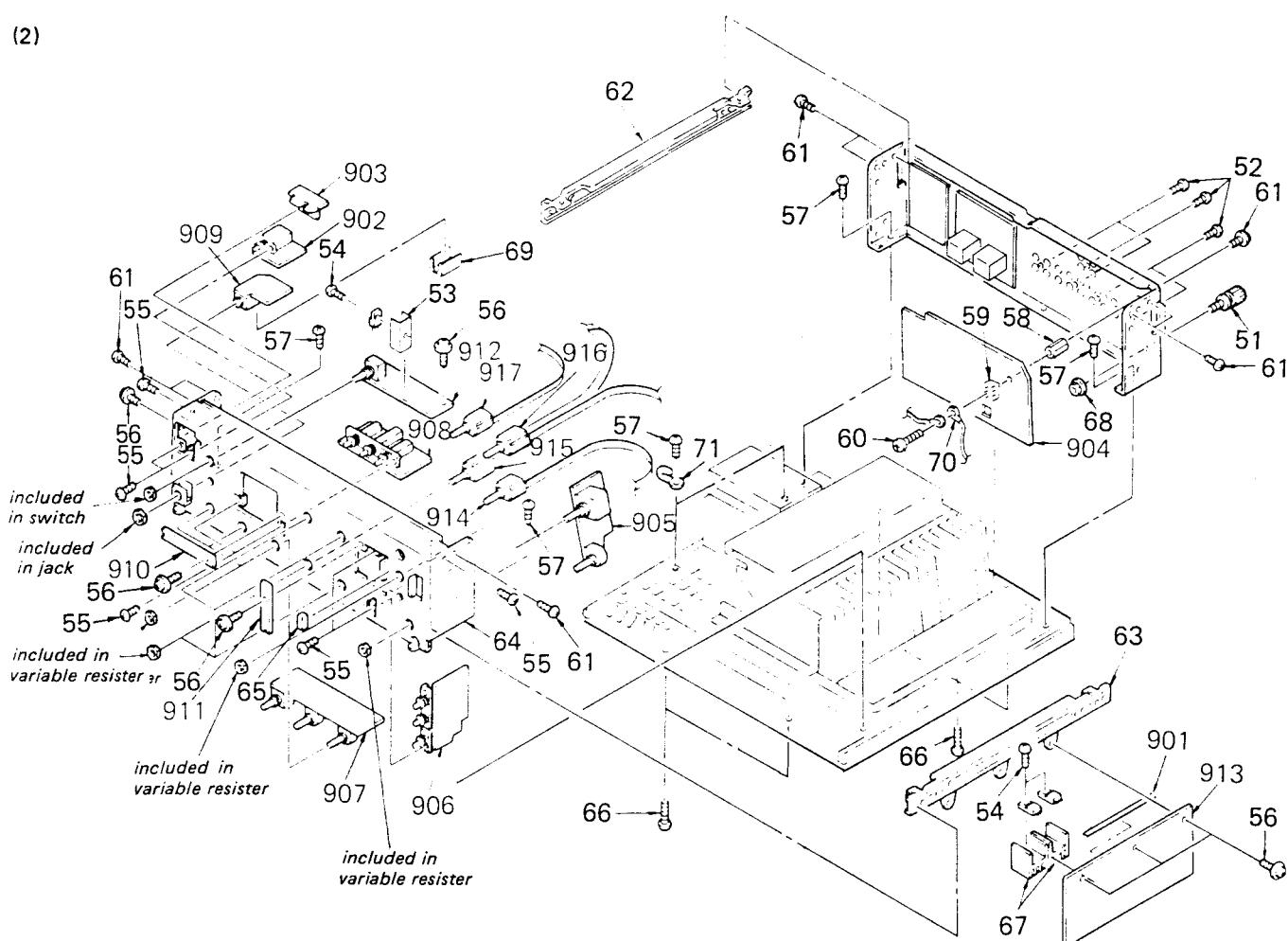
(1)



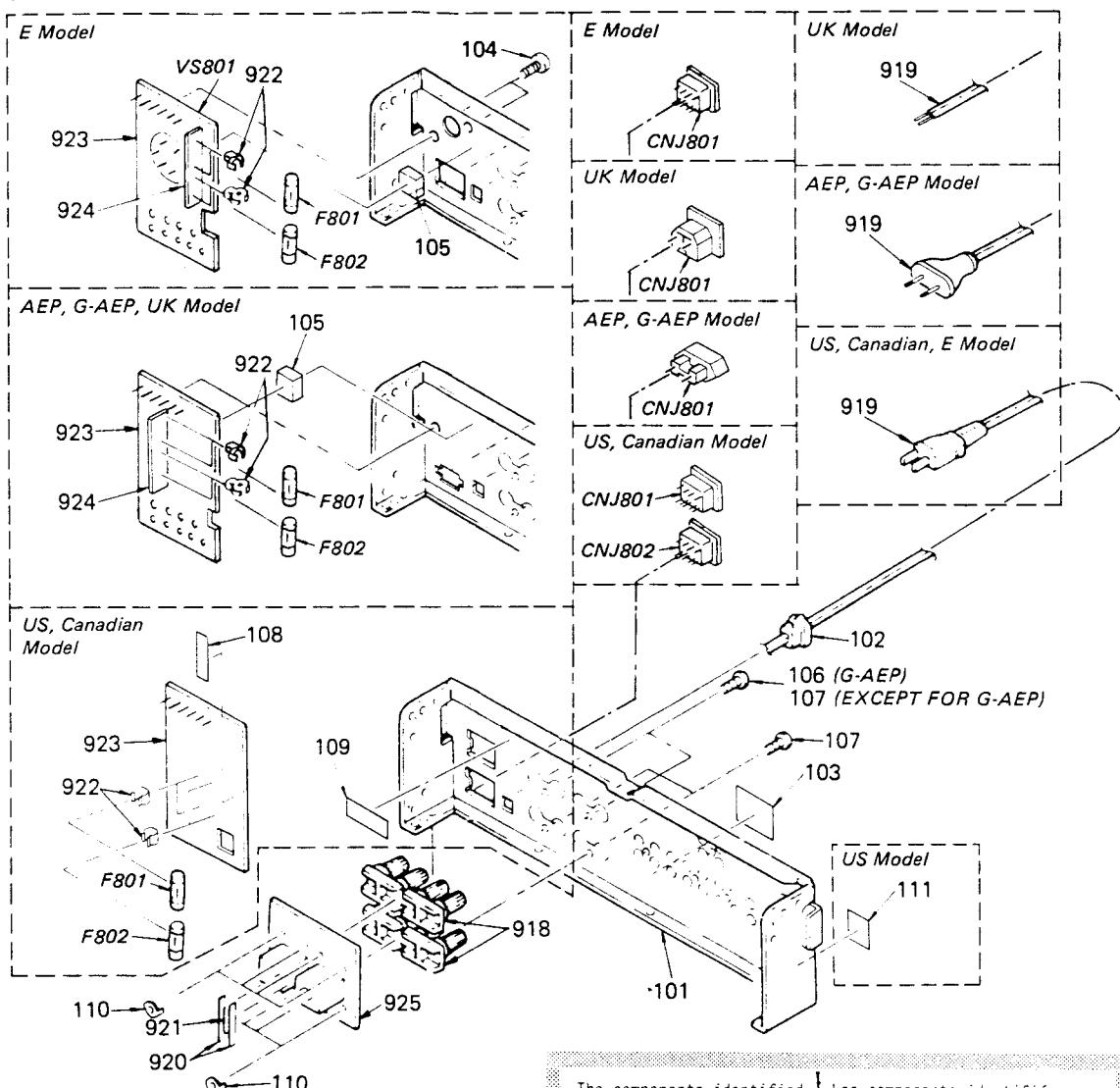
No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
1	A-4322-860-A A-4322-872-A	(EXCEPT FOR E)...PANEL ASSY, FRONT (E)...PANEL ASSY, FRONT		16	4-916-705-01 4-916-705-01	(EXCEPT FOR E)...KNOB (NA-48), R (E)...KNOB (NA-48), R	
2	4-908-857-01	RING (DIA.48), ORNAMENTAL		17	*4-908-872-01	CUSHION	
3	4-908-856-01	KNOB, SQUARE		18	4-908-868-01	CASE	
4	3-315-105-21	KNOB (5X16), SQUARE		19	4-916-782-01	DAMPER	
5	4-908-875-01	KNOB, SQUARE		20	4-849-802-00	SCREW	
6	4-864-307-00	RING		21	3-576-298-11	ESCUTCHEON	
7	7-685-751-09	SCREW +BVTT 3X6 (S)		22	3-703-249-11	SCREW, S TIGHT, +PTTWH 3X6	
8	3-311-623-11	SPACER		23	3-703-710-41	STICKER, SONY SYMBOL (12)	
9	*4-908-865-01	PLATE, BOTTOM		24	3-655-653-21	BAND (TAITON), BINDING	
10	4-916-872-11	DAMPER		25	4-916-702-21	DAMPER	
11	7-685-647-79	SCREW +BVTP 3X10 TYPE2 SLIT		26	4-908-885-01	LABEL, TRANSFORMER	
12	7-685-153-29	SCREW +P 3X30 TYPE2 SLIT		27	3-701-690-00	(UK)...LABEL (MADE IN JAPAN)	
13	4-908-859-01 4-916-706-01	(EXCEPT FOR E)...KNOB (NA-29) (E)...KNOB (NA-29)		28	3-703-079-21	(UK)...LABEL, CAUTION (BACK)	
14	4-908-860-01	KNOB (NA-22), R		29	3-703-680-00	(US)...LABEL, CAUTION, SUB, NEW UL	
15	4-908-858-01	KNOB (NA-22), FLAT					

# TA-F444ESX/F700ES

(2)



(3)

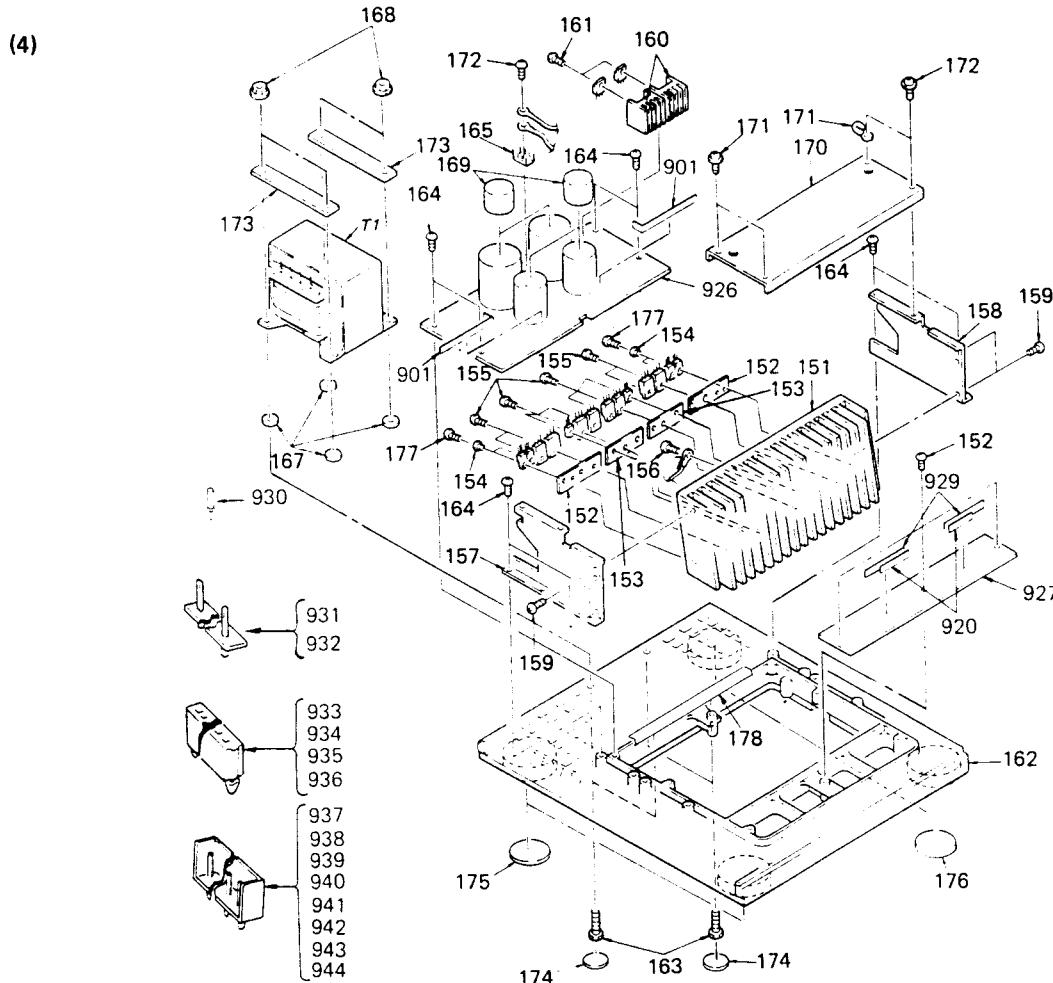


The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque  $\Delta$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
101	*4-908-866-21 *4-908-866-31 *4-908-866-41 *4-908-866-51 *4-916-871-01	(AEP).....PLATE, JACK (G-AEP).....PLATE, JACK (UK).....PLATE, JACK (E).....PLATE, JACK (US,Canadian)....PLATE, JACK		919	△1-555-386-00 △1-557-577-11 △1-559-271-11 △1-559-272-11	(E).....CORD, POWER (US,Canadian)....CORD, POWER (AEP,G-AEP)....CORD, POWER (UK).....CORD, POWER	
102	2-371-561-00 3-703-244-00 4-916-783-01	(US,Canadian)....BUSHING, (P) INSULTING (E).....BUSHING (2104), CORD (AEP,G-AEP,UK)....BUSHING, CORD PA		920	*1-560-242-11	BUS BAR 3P	
103	*4-908-896-01 *4-908-897-01 *4-908-898-01 *4-908-899-02 *4-916-701-01 *4-916-702-02	(US).....LABEL, MODEL NUMBER (Canadian)....LABEL, MODEL NUMBER (AEP).....LABEL, MODEL NUMBER (UK).....LABEL, MODEL NUMBER (E).....LABEL, MODEL NUMBER (G-AEP)....LABEL, MODEL NUMBER		921	*1-560-242-61	BUS BAR 2P	
104	7-685-871-09	(E)....SCREW +BVTT 3X6 Bzn		922	△1-533-183-11 △1-553-185-11	(AEP,G-AEP,UK,E)....HOLDER, FUSE (US,Canadian)....HOLDER, FUSE	
105	4-916-707-01	(AEP,G-AEP,UK,E)....CUSHION		923	*1-618-523-11 *1-619-928-11 *1-619-930-11	(US,Canadian)....PC BOARD, OUTLET (E).....PC BOARD, V.S (AEP,G-AEP,UK)....PC BOARD, OUTLET	
106	4-887-711-21	(G-AEP)....SCREW, TERMINAL, CLAW, +BVTP		924	*1-619-929-11 *1-619-931-11	(E).....PC BOARD, FUSE (E) (AEP,G-AEP,UK)....PC BOARD, FUSE	
107	7-685-646-29	SCREW +BVTP 3X8 TYPE2 SLIT		925	*1-618-522-11	PC BOARD, SP-TM	
108	3-701-946-28	(US)....LABEL, FUSE		CNJ801	△1-526-751-00 △1-526-794-11 △1-526-883-00 △1-526-883-00	(UK).....OUTLET AC (AEP,G-AEP)....OUTLET AC (US,Canadian,E)....OUTLET AC (US,Canadian)....OUTLET AC	
109	3-703-044-26	(US,Canadian)....LABEL, CAUTION		F801	△1-532-237-00 △1-532-883-00	(AEP,G-AEP,UK,E)....FUSE, TIME-LAG 3.15A (US,Canadian)....FUSE, GLASS 6.3A	
110	*4-843-416-11	PLATE, FIXED, CAP		F802	△1-532-237-00 △1-532-286-00 △1-532-883-00	(E).....FUSE, GLASS 3.15A (AEP,G-AEP,UK)....FUSE, TIME-LAG 2.5A (US,Canadian)....FUSE, GLASS 6.3A	
111	3-703-680-00	(US)....LABEL, CAUTION, SUB, NEW UL		VS801	△1-526-576-31	(E)....SELECTOR, POWER VOLTAGE	
918	1-536-767-21	TERMINAL BOARD, SPEAKER					

# **TA-F444ESX/F700ES**



The components identified by shading and mark A are critical for safety. Replace only with part number specified.

No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
151	*4-908-874-11	HEAT SINK		901	*1-560-242-71	BUS BAR 6P	
152	4-916-709-01	SHEET (B), INSULATING		920	*1-560-242-11	BUS BAR 3P	
153	4-916-708-01	SHEET (A), INSULATING		926	*A-4388-584-A	(EXCEPT FOR G-AEP) ...MOUNTED PCB, MAIN (B)	
154	2-371-561-00	BUSHING (P), INSULATING			*A-4388-585-A	(G-AEP)...MOUNTED PCB, MAIN (B)	
155	7-682-549-09	SCREW +B 3X10		927	*A-4388-582-A	(EXCEPT FOR G-AEP) ...MOUNTED PCB, MAIN (A)	
156	7-682-561-10	SCREW +B 4X8			*A-4388-583-A	(G-AEP)...MOUNTED PCB, MAIN (A)	
157	*4-908-863-01	BRACKET (FRONT), HEAT SINK		929	*1-560-242-21	BUS BAR 4P	
158	*4-908-864-01	BRACKET (REAR), HEAT SINK		930	*1-535-492-00	PIN, GT	
159	7-685-646-29	SCREW +BVTP 3X8 TYPE2 SLIT		931	*1-508-809-00	BASE POST (14MM) 2P	
160	*4-363-147-00	HEAT SINK, H.PIN		932	*1-535-136-00	(AEP ,G-AEP ,UK ,E) ....BASE POST 14MM (10MM PITCH) 3P	
161	7-682-548-09	SCREW +B 3X8		933	*1-562-249-00	SOCKET, CONNECTOR 4P	
162	X-4885-922-1	CHASSIS, MAIN ASSY		934	*1-562-250-00	SOCKET, CONNECTOR 5P	
163	7-683-333-07	BOLT, HEXAGON 4X40		935	*1-562-251-00	SOCKET, CONNECTOR 6P	
164	7-685-647-79	SCREW +BVTP 3X10 TYPE2 SLIT		936	*1-562-327-00	SOCKET, CONNECTOR 3P	
165	*4-880-404-01	PLATE, GROUND		937	*1-564-505-11	PLUG, CONNECTOR 2P, WHITE	
166	7-685-648-29	SCREW +BVTP 3X12 TYPE2 SLIT		938	*1-564-505-31	PLUG, CONNECTOR 2P, RED	
167	*4-885-984-01	WASHER		939	*1-564-506-11	PLUG, CONNECTOR 3P, WHITE	
168	4-908-881-01	NUT (M4), FLANGE		940	*1-564-507-11	PLUG, CONNECTOR 4P, WHITE	
169	*4-908-853-01	CUSHION		941	*1-564-507-21	PLUG, CONNECTOR 4P, BLACK	
170	*4-908-862-01	RETAINER, CHEMICAL CAPACITOR		942	*1-564-507-31	PLUG, CONNECTOR 4P, RED	
171	*4-908-882-01	CLAMP		943	*1-564-508-11	PLUG, CONNECTOR 5P, WHITE	
172	3-703-249-11	SCREW, S TIGHT, +PTTWH 3X6		944	*1-564-509-11	PLUG, CONNECTOR 6P, WHITE	
173	*4-908-886-01	REINFORCEMENT, TRANSFORMER		T1	△-1-448-631-11	(UK ,G-AEP ).....TRANSFORMER, POWER	
174	*4-908-892-01	SPACER		T1	△-1-448-632-11	(F ).....TRANSFORMER, POWER	
175	*4-908-888-01	(US,Canadian,AEP ,UK )...FOOT, TUNING		T1	△-1-448-633-11	(US ,Canadian )...TRANSFORMER, POWER	
	*4-916-704-01	(G-AEP ,E).....FOOT		T1	△-1-448-634-11	(AEP ).....TRANSFORMER, POWER	
176	*4-908-887-01	(US,Canadian,AEP ,UK )...FOOT, TUNING					
	*4-916-704-11	(G-AEP ,E).....FOOT					
177	7-682-649-09	SCREW +PS 3X10					
178	4-916-763-01	(US )...SHEET, INSULATING					

## SECTION 6

### ELECTRICAL PARTS LIST

**NOTE:**

- Items marked "\*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

**CAPACITORS:**  
MF:μF, PF:μPF.

**RESISTORS**

- All resistors are in ohms.
- F : nonflammable

**COILS**

- MMH : mH, UH : μH

**SEMICONDUCTORS**

In each case, U : ., for example:  
UA...: LA..., UPA...: EPA..., UPC...: uPC,  
UPD...: uPD...

The components identified by shading and mark ▲ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque ▲ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

**ELECTRICAL PARTS**

Ref.No.	Part No.	Description
901	*1-560-242-71	BUS BAR 6P
902	*1-618-512-11	PC BOARD, AC-SW
903	*1-618-513-11	PC BOARD, LAMP
904	*1-618-514-11	PC BOARD, INPUT
905	*1-618-515-11	PC BOARD, VR
906	*1-618-516-11	PC BOARD, S.D.
907	*1-618-517-11	PC BOARD, TONE
908	*1-618-518-11	PC BOARD, TONE-SW
909	*1-618-519-11	PC BOARD, H.P.
910	*1-618-520-11	PC BOARD, LED-A (TONE)
911	*1-618-521-11	PC BOARD, LED-B (S.D.)
912	*1-618-511-11	PC BOARD, SP-SW
913	*A-4358-183-A	(US,Canadian,AEP,UK,E)...MOUNTED PCB, EQ
	*A-4358-184-A	(G-AEP).....MOUNTED PCB, EQ
914	1-570-588-11	SWITCH, ROTARY SLIDE (REMOTE)
915	1-570-589-11	SWITCH, ROTARY SLIDE (REMOTE)
916	1-570-590-11	SWITCH, ROTARY SLIDE (REMOTE)
917	1-570-591-11	SWITCH, ROTARY SLIDE (REMOTE)
918	1-536-767-21	TERMINAL BOARD, SPEAKER
919	▲1-555-386-00	(E).....CORD, POWER
	▲1-557-577-11	(US,Canadian)....CORD, POWER
	▲1-559-271-11	(AEP,G-AEP)....CORD, POWER
	▲1-559-272-00	(UK).....CORD, POWER
920	*1-560-242-11	BUS BAR 3P
921	*1-560-242-61	BUS BAR 2P
922	▲1-533-183-11	(AEP,G-AEP,UK,E)...HOLDER, FUSE
	▲1-533-185-11	(US,Canadian).....HOLDER, FUSE
923	*1-618-523-11	(US,Canadian)....PC BOARD, OUTLET
	*1-619-928-11	(E).....PC BOARD, V.S
	*1-619-930-11	(AEP,G-AEP,UK)....PC BOARD, OUTLET
924	*1-619-929-11	(E).....PC BOARD, FUSE (E)
	*1-619-931-11	(AEP,G-AEP,UK)....PC BOARD, FUSE (E)
925	*1-618-522-11	PC BOARD, SP-TM
926	*A-4388-584-A	(EXCEPT FOR G-AEP)..MOUNTED PCB, MAIN(B)
	*A-4388-585-A	(G-AEP).....MOUNTED PCB, MAIN(B)
927	*A-4388-582-A	(EXCEPT FOR G-AEP)..MOUNTED PCB, MAIN(A)
	*A-4388-583-A	(G-AEP).....MOUNTED PCB, MAIN(A)
928	*1-560-242-21	BUS BAR 4P
930	*1-535-492-00	PIN, GT
931	*1-508-809-00	BASE POST (14MM) 2P
932	*1-535-136-00	BASE POST 14MM (10MM PITCH) 3P
933	*1-562-249-00	SOCKET, CONNECTOR 4P
934	*1-562-250-00	SOCKET, CONNECTOR 5P
935	*1-562-251-00	SOCKET, CONNECTOR 6P

**ELECTRICAL PARTS**

Ref.No.	Part No.	Description				
936	*1-562-327-00	SOCKET, CONNECTOR 3P				
937	*1-564-505-11	PLUG, CONNECTOR 2P, WHITE				
938	*1-564-505-31	PLUG, CONNECTOR 2P, RED				
939	*1-564-506-11	PLUG, CONNECTOR 3P, WHITE				
940	*1-564-507-11	PLUG, CONNECTOR 4P, WHITE				
941	*1-564-507-21	PLUG, CONNECTOR 4P, BLACK				
942	*1-564-507-31	PLUG, CONNECTOR 4P, RED				
943	*1-564-508-11	PLUG, CONNECTOR 5P, WHITE				
944	*1-564-509-11	PLUG, CONNECTOR 6P, WHITE				
C101	1-161-315-00	(G-AEP)...CERAMIC 220PF	10%	50V		
C102	1-161-272-00	(G-AEP)...CERAMIC 120PF	5%	50V		
C103	1-107-309-00	(G-AEP)...MICA 100PF	5%	500V		
C151	1-161-315-00	(G-AEP)...CERAMIC 220PF	10%	50V		
C152	1-161-272-00	(G-AEP)...CERAMIC 120PF	5%	50V		
C153	1-107-309-00	(G-AEP)...MICA 100PF	5%	500V		
C201	1-104-249-11	(EXCEPT FOR G-AEP) ...POLYSTYRENE 330PF	5%	125V		
C201	1-107-294-00	(G-AEP)...MICA 56PF	5%	100V		
C202	1-104-150-00	(EXCEPT FOR G-AEP) ...POLYSTYRENE 680PF	5%	125V		
C202	1-104-151-00	(G-AEP)...POLYSTYRENE 0.0022MF	5%	125V		
C203	1-123-373-00	ELECT	47MF	20%	63V	
C204	1-123-373-00	ELECT	47MF	20%	63V	
C205	1-136-267-11	FILM	0.0036MF	3%	100V	
C206	1-130-206-00	FILM	0.016MF	2%	630V	
C207	1-130-205-00	FILM	0.056MF	2%	630V	
C208	1-130-281-00	FILM	0.0022MF	5%	100V	
C209	1-123-337-00	ELECT	1000MF	20%	25V	
C211	1-123-332-00	ELECT	47MF	20%	25V	
C212	1-123-356-00	ELECT	10MF	20%	50V	
C214	1-123-369-00	ELECT	4.7MF	20%	50V	
C251	1-104-249-11	(EXCEPT FOR G-AEP) ...POLYSTYRENE 330PF	5%	125V		
C251	1-107-294-00	(G-AEP)...MICA 56PF	5%	100V		
C252	1-104-150-00	(EXCEPT FOR G-AEP) ...POLYSTYRENE 680PF	5%	25V		
C252	1-104-151-00	(G-AEP)...POLYSTYRENE 0.0022MF	5%	125V		
C253	1-123-373-00	ELECT	47MF	20%	63V	
C254	1-123-373-00	ELECT	47MF	20%	63V	
C255	1-136-267-11	FILM	0.0036MF	3%	100V	
C256	1-130-206-00	FILM	0.016MF	2%	630V	
C257	1-130-205-00	FILM	0.056MF	2%	630V	
C258	1-130-281-00	FILM	0.0022MF	5%	100V	
C259	1-123-337-00	ELECT	1000MF	20%	25V	
C261	1-123-332-00	ELECT	47MF	20%	25V	
C262	1-123-356-00	ELECT	10MF	20%	50V	

ELECTRICAL PARTS						
Ref.No.	Part No.	Description				
C264	1-123-369-00	ELECT	4.7MF	20%	50V	
C301	1-136-171-00	FILM	0.33MF	5%	50V	
C302	1-110-219-11	MYLAR	680PF	5%	50V	
C303	1-110-219-11	MYLAR	680PF	5%	50V	
C304	1-110-200-00	MYLAR	0.0027MF	5%	50V	
C305	1-110-200-00	MYLAR	0.0027MF	5%	50V	
C306	1-110-206-00	MYLAR	0.0082MF	5%	50V	
C307	1-110-206-00	MYLAR	0.0082MF	5%	50V	
C308	1-136-161-00	FILM	0.047MF	5%	50V	
C309	1-136-161-00	FILM	0.047MF	5%	50V	
C351	1-136-171-00	FILM	0.33MF	5%	50V	
C352	1-110-219-11	MYLAR	680PF	5%	50V	
C353	1-110-219-11	MYLAR	680PF	5%	50V	
C354	1-110-200-00	MYLAR	0.0027MF	5%	50V	
C355	1-110-200-00	MYLAR	0.0027MF	5%	50V	
C356	1-110-206-00	MYLAR	0.0082MF	5%	50V	
C357	1-110-206-00	MYLAR	0.0082MF	5%	50V	
C358	1-136-161-00	FILM	0.047MF	5%	50V	
C359	1-136-161-00	FILM	0.047MF	5%	50V	
C401	1-107-279-00	MICA	10PF	0.5PF	100V	
C402	1-104-233-00	POLYSTYRENE	220PF	5%	125V	
C403	1-123-380-00	ELECT	1MF	20%	100V	
C404	1-107-276-11	(EXCEPT FOR G-AEP)..MICA	3PF	0.5PF	100V	
C404	1-107-279-00	(G-AEP).....MICA	10PF	0.5PF	100V	
C405	1-123-373-00	ELECT	47MF	20%	63V	
C406	1-123-373-00	ELECT	47MF	20%	63V	
C407	1-123-373-00	ELECT	47MF	20%	63V	
C408	1-123-373-00	ELECT	47MF	20%	63V	
C409	1-130-317-00	FILM	0.068MF	5%	100V	
C410	1-107-279-00	MICA	10PF	0.5PF	100V	
C411	1-123-374-00	ELECT	100MF	20%	63V	
C412	1-123-374-00	ELECT	100MF	20%	63V	
C414	1-107-169-00	(G-AEP).....MICA	27PF	5%	100V	
C414	1-107-286-00	(EXCEPT FOR G-AEP)..MICA	100PF	5%	100V	
C416	1-136-161-00	FILM	0.047MF	5%	50V	
C417	1-136-161-00	FILM	0.047MF	5%	50V	
C418	1-123-378-00	ELECT	1000MF	20%	63V	
C419	1-123-378-00	ELECT	1000MF	20%	63V	
C420	1-107-282-91	(G-AEP)...MICK	18PF	5%	100V	
C421	1-107-169-00	(G-AEP)...MICA	100PF	5%	100V	
C422	1-136-162-00	(G-AEP)...FILM	0.056MF	5%	50V	
C423	1-136-230-00	(G-AEP)...FILM	0.0022MF	5%	100V	
C451	1-107-279-00	MICA	10PF	0.5PF	100V	
C452	1-104-233-00	POLYSTYRENE	220PF	5%	125V	
C453	1-123-380-00	ELECT	1MF	20%	100V	
C454	1-107-202-00	(G-AEP).....MICA	10PF	0.5PF	100V	
C454	1-107-276-11	(EXCEPT FOR G-AEP)..MICA	3PF	0.5PF	100V	
C455	1-123-373-00	ELECT	47MF	20%	63V	
C456	1-123-373-00	ELECT	47MF	20%	63V	
C457	1-123-373-00	ELECT	47MF	20%	63V	
C458	1-123-373-00	ELECT	47MF	20%	63V	
C459	1-130-317-00	FILM	0.068MF	5%	100V	
C460	1-107-279-00	MICA	10PF	0.5PF	100V	

ELECTRICAL PARTS						
Ref.No.	Part No.	Description				
C461	1-123-374-00	ELECT	100MF	20%	63V	
C462	1-123-374-00	ELECT	100MF	20%	63V	
C464	1-107-169-00	(G-AEP).....MICA	100PF	5%	100V	
C464	1-107-286-00	(EXCEPT FOR G-AEP)..MICA	27PF	5%	100V	
C465	1-107-169-00	(G-AEP).....MICA	100PF	5%	100V	
C465	1-107-286-00	(EXCEPT FOR G-AEP)..MICA	27PF	5%	100V	
C466	1-136-161-00	FILM	0.047MF	5%	50V	
C467	1-136-161-00	FILM	0.047MF	5%	50V	
C468	1-123-378-00	ELECT	1000MF	20%	63V	
C469	1-123-378-00	ELECT	1000MF	20%	63V	
C470	1-107-282-91	(G-AEP).....MICA	18PF	5%	100V	
C471	1-107-169-00	(G-AEP).....MICA	100PF	5%	100V	
C472	1-163-162-00	(G-AEP).....FILM	0.056MF	5%	50V	
C473	1-163-230-00	(G-AEP).....FILM	0.0022MF	5%	100V	
C502	1-123-333-00	ELECT	100MF	20%	25V	
C601	1-123-334-00	ELECT	220MF	20%	25V	
C602	1-110-195-00	MYLAR	0.001MF	5%	50V	
C603	1-136-157-00	FILM	0.022MF	5%	50V	
C604	1-123-343-00	ELECT	33MF	20%	25V	
C605	1-123-369-00	ELECT	4.7MF	20%	50V	
C606	1-123-380-00	ELECT	1MF	20%	50V	
C607	1-123-382-00	ELECT	33MF	20%	50V	
C608	1-123-382-00	ELECT	33MF	20%	50V	
C609	1-130-273-00	FILM	0.001MF	5%	100V	
C610	1-130-291-00	(G-AEP).....FILM	0.0056MF	5%	100V	
C611	1-136-230-00	(G-AEP).....FILM	0.0022MF	5%	100V	
C660	1-130-291-00	(G-AEP).....FILM	0.0056MF	5%	100V	
C661	1-136-230-00	(G-AEP).....FILM	0.0022MF	5%	100V	
C701	1-125-431-11	ELECT	4700MF	20%	63V	
C702	1-125-381-00	ELECT	12000MF	20%	63V	
C703	1-123-378-00	ELECT	1000MF	20%	63V	
C705	1-130-801-11	FILM	3.3MF	10%	250V	
C707	1-123-377-00	(G-AEP)...ELECT	470MF	20%	63V	
C751	1-125-431-11	ELECT	4700MF	20%	63V	
C752	1-125-381-00	ELECT	12000MF	20%	63V	
C753	1-123-378-00	ELECT	1000MF	20%	63V	
C757	1-123-377-00	(G-AEP)...ELECT	470MF	20%	63V	
C801	1-161-741-00	CERAMIC	0.001MF	10%	400V	
C802	1-161-741-00	(UK,AEP,G-AEP,E)...	CERAMIC	0.001MF	10%	400V
C999	1-136-167-00	FILM	0.15MF	5%	50V	
CNJ801	1-526-751-00	(UK).....OUTLET, AC				
CNJ801	1-526-794-11	(AEP,G-AEP).....OUTLET, AC				
CNJ801	1-526-883-00	(US,Canadian,E)....OUTLET, AC				
CNJ802	1-526-883-00	(US,Canadian,E)....OUTLET, AC				
D201	8-719-910-53	DIODE HZ15-3L				
D202	8-719-910-53	DIODE HZ15-3L				
D204	8-719-940-76	DIODE ISS132				
D251	8-719-910-53	DIODE HZ15-3L				
D252	8-719-910-53	DIODE HZ15-3L				
D401	8-719-910-69	DIODE HZ6C3L				
D402	8-719-940-76	DIODE ISS132				
D403	8-719-940-76	DIODE ISS132				
D404	8-719-300-03	DIODE SV-03				
D407	8-719-940-76	DIODE ISS132				

The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque **A** sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

ELECTRICAL PARTS

<u>Ref.No.</u>	<u>Part No.</u>	<u>Description</u>
D408	8-719-940-76	DIODE ISS132
D409	8-719-940-76	DIODE ISS132
D410	8-719-940-76	DIODE ISS132
D411	8-719-940-76	DIODE ISS132
<b>D412 Δ</b>	<b>8-719-300-02</b>	<b>DIODE SV-02</b>
D413	8-719-940-76	DIODE ISS132
D414	8-719-940-76	DIODE ISS132
D415	8-719-940-76	DIODE ISS132
D416	8-719-940-76	DIODE ISS132
D417	8-719-910-65	DIODE HZ782L
D451	8-719-910-69	DIODE HZ6C3L
D452	8-719-940-76	DIODE ISS132
D453	8-719-940-76	DIODE ISS132
D454	8-719-300-03	DIODE SV-03
D457	8-719-940-76	DIODE ISS132
D458	8-719-940-76	DIODE ISS132
D459	8-719-940-76	DIODE ISS132
D460	8-719-940-76	DIODE ISS132
D461	8-719-940-76	DIODE ISS132
<b>D462 Δ</b>	<b>8-719-300-02</b>	<b>DIODE SV-02</b>
D463	8-719-940-76	DIODE ISS132
D464	8-719-940-76	DIODE ISS132
D465	8-719-940-76	DIODE ISS132
D466	8-719-940-76	DIODE ISS132
D467	8-719-910-65	DIODE HZ782L
D501	8-719-930-12	DIODE EQB01-12Z
D502	8-719-910-69	DIODE HZ6C3L
D503	8-719-940-76	DIODE ISS132
D505	8-719-301-49	DIODE SEL2810A
D506	8-719-301-49	DIODE SEL2810A
D507	8-719-301-49	DIODE SEL2810A
D601	<b>Δ</b> 8-719-910-75	DIODE HZ982L
D602	8-719-910-11	DIODE HZ11A1L
D603	8-719-200-77	DIODE 10E2N
D604	8-719-940-76	DIODE ISS132
D605	8-719-940-76	DIODE ISS132
<b>D701 Δ</b>	<b>8-719-230-02</b>	<b>DIODE 30DF2-100</b>
<b>D702 Δ</b>	<b>8-719-230-02</b>	<b>DIODE 30DF2-100</b>
<b>D703 Δ</b>	<b>8-719-230-02</b>	<b>DIODE 30DF2-100</b>
<b>D704 Δ</b>	<b>8-719-230-02</b>	<b>DIODE 30DF2-100</b>
<b>D705 Δ</b>	<b>8-719-300-27</b>	<b>DIODE CTU-22S</b>
<b>D755 Δ</b>	<b>8-719-300-25</b>	<b>DIODE CTU-22R</b>
F801	A.1-532-237-00 (AEP,G-AEP,UK,E).....FUSE, TIME-LAG, 3.15A	
F801	A.1-532-883-00 (US,Canadian)....FUSE, GLASS 6.3A	
F802	A.1-532-237-00 (E).....FUSE, TIME-LAG, 3.15A	
F802	A.1-532-286-00 (AEP,G-AEP,UK)...FUSE, TIME-LAG, 2.5A	
F802	A.1-532-883-00 (US,Canadian)....FUSE, GLASS 6.3A	
J101	1-507-830-21	JACK, PIN 4P (ADAPTOR)
J102	1-507-830-00	JACK, PIN 4P (INPUT PHONO/TUNER)
J103	1-507-830-00	JACK, PIN 4P (INPUT/CD/AUX)
J104	1-507-831-00	JACK, PIN 6P (TAPE RECORDER 1/2)
J105	1-507-831-00	JACK, PIN 6P (TAPE RECORDER 2/3)
J601	1-507-707-00	JACK, LARGE TYPE (HEADPHONES)
IC201	8-759-602-01 (G-AEP).....IC M5220P	
IC201	8-759-701-21 (EXCEPT FOR G-AEP)...IC NJM5532D-D	
IC202	8-759-601-02 IC M5218P	
IC601	8-759-101-23 IC UPC1237H	

ELECTRICAL PARTS

<u>Ref.No.</u>	<u>Part No.</u>	<u>Description</u>
L101	1-413-101-00	(G-AEP)...COIL, INPUT
L102	1-413-101-00	(G-AEP)...COIL, INPUT
L151	1-413-101-00	(G-AEP)...COIL, INPUT
L152	1-413-101-00	(G-AEP)...COIL, INPUT
L401	*1-422-009-13	COIL, AIR-CORE
L402	1-422-261-11	COIL, AIR-CORE
L403	1-422-261-11	COIL, AIR-CORE
L451	*1-422-009-13	COIL, AIR-CORE
L452	1-422-261-11	COIL, AIR-CORE
L453	1-422-261-11	COIL, AIR-CORE
PTH701	Δ-806-882-11	(EXCEPT FOR G-AEP) ...THERMISTOR (POSITIVE)
PTH751	Δ-806-882-11	(EXCEPT FOR G-AEP) ...THERMISTOR (POSITIVE)
PL601	1-518-518-41	LAMP, PILOT
PL602	1-518-518-41	LAMP, PILOT
Q201	8-729-217-03	TRANSISTOR 2SK170
Q202	8-729-366-81	TRANSISTOR 2SD668
Q203	8-729-600-27	TRANSISTOR 2SC634SP
Q204	8-729-201-56	TRANSISTOR 2SK246-GR2
Q205	8-729-127-53	TRANSISTOR 2SC2275-P
Q206	8-729-201-56	TRANSISTOR 2SK246-GR2
Q207	8-729-217-03	TRANSISTOR 2SK170
Q251	8-729-217-03	TRANSISTOR 2SK170
Q252	8-729-366-81	TRANSISTOR 2SD668
Q253	8-729-600-27	TRANSISTOR 2SC634SP
Q254	8-729-201-56	TRANSISTOR 2SK246-GR2
Q255	8-729-190-53	TRANSISTOR 2SA985A
Q256	8-729-201-56	TRANSISTOR 2SK246-GR2
Q257	8-729-217-03	TRANSISTOR 2SK170
Q401	8-729-203-21	TRANSISTOR 2SK389-GR
Q402	8-729-600-27	TRANSISTOR 2SC634SP
Q403	8-729-600-27	TRANSISTOR 2SC634SP
Q404	8-729-699-51	TRANSISTOR 2SA995
Q405	Δ-8-729-114-22	TRANSISTOR 2SA1142
Q406	Δ-8-729-104-91	TRANSISTOR 2SA1383
Q407	8-729-201-56	TRANSISTOR 2SK246-GR2
Q408	8-729-104-18	TRANSISTOR 2SC3514
Q409	8-729-104-18	TRANSISTOR 2SC3514
Q410	Δ-8-729-173-13	TRANSISTOR 2SB731
Q411	Δ-8-729-180-93	TRANSISTOR 2SD809
Q412	Δ-8-729-104-18	TRANSISTOR 2SC3514
Q413	Δ-8-729-104-91	TRANSISTOR 2SA1383
Q414	Δ-8-729-127-53	TRANSISTOR 2SC2275-P
Q415	Δ-8-729-190-53	TRANSISTOR 2SA985A
Q416	Δ-8-729-383-73	TRANSISTOR 2SC2837
Q417	Δ-8-729-383-73	TRANSISTOR 2SC2837
Q418	Δ-8-729-318-63	TRANSISTOR 2SA1186
Q419	Δ-8-729-318-63	TRANSISTOR 2SA1186
Q420	8-729-108-14	TRANSISTOR 2SA988-F
Q451	8-729-203-21	TRANSISTOR 2SK389-GR
Q452	8-729-600-27	TRANSISTOR 2SC634SP
Q453	8-729-600-27	TRANSISTOR 2SC634SP
Q454	8-729-699-51	TRANSISTOR 2SA995
Q455	Δ-8-729-114-22	TRANSISTOR 2SA1142
Q456	Δ-8-729-104-91	TRANSISTOR 2SA1383
Q457	8-729-201-56	TRANSISTOR 2SK246-GR2
Q458	8-729-104-18	TRANSISTOR 2SC3514

The components identified by shading and mark **Δ** are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque **Δ** sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

## ELECTRICAL PARTS

Ref.No.	Part No.	Description
Q459	8-729-104-18	TRANSISTOR 2SC3514
Q460 $\Delta$	8-729-173-13	TRANSISTOR 2SB731
Q461 $\Delta$	8-729-180-93	TRANSISTOR 2SB809
Q462 $\Delta$	8-729-104-18	TRANSISTOR 2SC3514
Q463 $\Delta$	8-729-104-91	TRANSISTOR 2SA1383
Q464 $\Delta$	8-729-127-53	TRANSISTOR 2SC2275-P
Q465 $\Delta$	8-729-190-53	TRANSISTOR 2SA985A
Q466 $\Delta$	8-729-383-73	TRANSISTOR 2SC2837
Q467 $\Delta$	8-729-383-73	TRANSISTOR 2SC2837
Q468 $\Delta$	8-729-318-63	TRANSISTOR 2SA1186
Q469 $\Delta$	8-729-318-63	TRANSISTOR 2SA1186
Q470	8-729-108-14	TRANSISTOR 2SA988-F
Q501	8-729-612-77	TRANSISTOR 2SA1027R
Q601 $\Delta$	8-729-111-67	TRANSISTOR 2SB1094-L
Q602 $\Delta$	8-729-364-72	TRANSISTOR 2SB647
Q603	8-729-103-43	TRANSISTOR 2SB734
Q604	8-729-103-43	TRANSISTOR 2SB734
Q605	8-729-108-05	TRANSISTOR 2SC1841-PA
R101	1-246-545-00	CARBON 1M 1/4W
R102	1-246-545-00	CARBON 1M 1/4W
R103	1-246-545-00	CARBON 1M 1/4W
R104	1-246-545-00	CARBON 1M 1/4W
R105	1-246-545-00	CARBON 1M 1/4W
R106	1-246-545-00	CARBON 1M 1/4W
R107	1-247-713-11	CARBON 1K 1/4W
R108	1-247-713-11	CARBON 1K 1/4W
R109	1-247-713-11	CARBON 1K 1/4W
R110	1-247-713-11	(G-AEP)....CARBON 1K 1/2W
R110	1-247-739-11	(EXCEPT FOR G-AEP)...CARBON 100 1/2W
R111	1-247-706-11	(G-AEP)....CARBON 330 1/4W
R112	1-247-706-11	(G-AEP)....CARBON 330 1/4W
R151	1-246-545-00	CARBON 1M 1/4W
R152	1-246-545-00	CARBON 1M 1/4W
R153	1-246-545-00	CARBON 1M 1/4W
R154	1-246-545-00	CARBON 1M 1/4W
R155	1-246-545-00	CARBON 1M 1/4W
R156	1-246-545-00	CARBON 1M 1/4W
R157	1-247-713-11	CARBON 1K 1/4W
R158	1-247-713-11	CARBON 1K 1/4W
R159	1-247-713-11	CARBON 1K 1/4W
R160	1-247-713-11	(G-AEP)....CARBON 1K 1/2W
R160	1-247-739-11	(EXCEPT FOR G-AEP)...CARBON 100 1/2W
R161	1-247-706-11	(G-AEP)....CARBON 330 1/4W
R162	1-247-706-11	(G-AEP)....CARBON 330 1/4W
R201	1-249-465-11	CARBON 47K 1/4W
R202	1-247-706-11	CARBON 330 1/4W
R203	1-247-700-11	(G-AEP)....CARBON 100 1/4W
R203	1-247-713-11	(EXCEPT FOR G-AEP)...CARBON 1K 1/4W
R204	1-247-700-11	(EXCEPT FOR G-AEP)...CARBON 100 1/4W
R204	1-249-516-91	(G-AEP)....CARBON 33 1/4W
R205	1-247-128-00	CARBON 750 1/4W
R206	1-247-128-00	CARBON 750 1/4W
R207	1-247-700-11	CARBON 100 1/4W
R208	1-247-708-11	CARBON 470 5% 1/4W
R209	1-247-695-11	CARBON 39 5% 1/4W
R210	1-247-704-11	CARBON 220 5% 1/4W
R211	1-247-721-11	CARBON 4.7K 5% 1/4W
R212	1-214-937-00	CARBON 1M 1/2W
R213	1-249-565-11	CARBON 3.6K 1/4W

## ELECTRICAL PARTS

Ref.No.	Part No.	Description
R214	1-214-906-00	METAL 51K 1% 1/2W
R215	1-214-878-00	METAL 3.9K 1% 1/2W
R216	1-247-744-11	CARBON 270 1/2W
R217	1-206-458-00	CARBON 6.2 5% 1/3W
R218	1-247-215-00	CARBON 91 1/2W
R219	1-247-704-11	CARBON 220 1/4W
R220	1-247-725-11	CARBON 10K 5% 1/4W
R221	1-247-704-11	CARBON 220 5% 1/4W
R222	1-247-719-11	CARBON 3.3K 5% 1/4W
R251	1-249-465-11	CARBON 47K 1/4W
R252	1-247-706-11	CARBON 330 1/4W
R253	1-247-700-11	(G-AEP)....CARBON 100 1/4W
R253	1-247-713-11	(EXCEPT FOR G-AEP) ...CARBON 1K 1/4W
R254	1-247-700-11	(EXCEPT FOR G-AEP) ...CARBON 100 1/4W
R254	1-249-516-91	(G-AEP)....CARBON 33 1/4W
R255	1-247-128-00	CARBON 750 1/4W
R256	1-247-128-00	CARBON 750 1/4W
R257	1-247-700-11	CARBON 100 1/4W
R258	1-247-708-11	CARBON 470 5% 1/4W
R259	1-247-695-11	CARBON 39 5% 1/4W
R260	1-247-704-11	CARBON 220 5% 1/4W
R261	1-247-721-11	CARBON 4.7K 5% 1/4W
R262	1-214-937-00	CARBON 1M 1/2W
R263	1-249-565-11	CARBON 3.6K 1/4W
R264	1-214-906-00	METAL 51K 1% 1/2W
R265	1-214-878-00	METAL 3.9K 1% 1/2W
R266	1-247-744-11	CARBON 270 1/2W
R267	1-206-458-00	CARBON 6.2 5% 1/3W
R268	1-247-215-00	CARBON 91 1/2W
R269	1-247-704-11	CARBON 220 1/4W
R270	1-247-725-11	CARBON 10K 5% 1/4W
R271	1-247-704-11	CARBON 220 5% 1/4W
R272	1-247-719-11	CARBON 3.3K 5% 1/4W
R302	1-249-465-11	CARBON 47K 1/4W
R303	1-247-721-11	CARBON 4.7K 1/4W
R304	1-247-722-11	CARBON 5.6K 1/4W
R305	1-247-717-11	CARBON 2.2K 1/4W
R306	1-249-466-11	CARBON 56K 1/4W
R307	1-247-725-11	CARBON 10K 1/4W
R308	1-249-465-11	CARBON 47K 1/4W
R309	1-249-465-11	CARBON 47K 1/4W
R310	1-202-727-00	CARBON 4.7M 5% 1/3W
R311	1-202-727-00	CARBON 4.7M 5% 1/3W
R312	1-202-727-00	CARBON 4.7M 5% 1/3W
R313	1-202-727-00	CARBON 4.7M 5% 1/3W
R314	1-202-727-00	CARBON 4.7M 5% 1/3W
R315	1-202-727-00	CARBON 4.7M 5% 1/3W
R352	1-249-465-11	CARBON 47K 1/4W
R353	1-247-721-11	CARBON 4.7K 1/4W
R354	1-247-722-11	CARBON 5.6K 1/4W
R355	1-247-717-11	CARBON 2.2K 1/4W
R356	1-249-466-11	CARBON 56K 1/4W
R357	1-247-725-11	CARBON 10K 1/4W
R358	1-249-465-11	CARBON 47K 1/4W

The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque  $\Delta$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

## ELECTRICAL PARTS

Ref.No.	Part No.	Description			
R359	1-249-465-11	CARBON	47K	1/4W	
R360	1-202-727-00	CARBON	4.7M 5%	1/3W	
R361	1-202-727-00	CARBON	4.7M 5%	1/3W	
R362	1-202-727-00	CARBON	4.7M 5%	1/3W	
R363	1-202-727-00	CARBON	4.7M 5%	1/3W	
R364	1-202-727-00	CARBON	4.7M 5%	1/3W	
R365	1-202-727-00	CARBON	4.7M 5%	1/3W	
R401	1-202-727-00	CARBON	4.7M 5%	1/3W	
R402	1-247-713-11	CARBON	1K	1/4W	
R403	1-247-692-11	CARBON	22	5%	1/4W
R404	1-247-692-11	CARBON	22	5%	1/4W
R405	1-247-717-11	CARBON	2.2K	5%	1/4W
R406	1-247-704-11	CARBON	220	1/4W	
R407	1-247-700-11	CARBON	100	1/4W	
R408	1-247-704-11	CARBON	220	1/4W	
R409	1-247-704-11	CARBON	220	1/4W	
R410	1-246-545-00	CARBON	1M	1/4W	
R412	Δ.1-217-440-00	FUSIBLE	33	5%	1/2W F
R413	1-249-490-11	CARBON	27K	5%	1/2W
R414	1-247-704-11	CARBON	220	5%	1/4W
R415	1-246-531-00	CARBON	270K	1/4W	
R416	1-247-740-11	CARBON	120	1/2W	
R417	1-249-486-11	CARBON	12K	1/2W	
R418	1-247-764-11	CARBON	10K	1/2W	
R419	1-202-727-00	CARBON	4.7M 5%	1/3W	
R420	1-247-715-11	CARBON	1.5K 5%	1/4W	
R421	1-247-721-11	CARBON	4.7K 5%	1/4W	
R422	Δ.1-217-446-00	FUSIBLE	100	5%	1/2W F
R423	Δ.1-247-710-11	CARBON	560	5%	1/4W
R424	1-247-718-11	CARBON	2.7K	5%	1/4W
R425	1-247-710-11	CARBON	560	5%	1/4W
R426	Δ.1-217-454-00	FUSIBLE	470	5%	1/2W F
R427	Δ.1-217-434-00	FUSIBLE	10	5%	1/2W F
R428	Δ.1-217-434-00	FUSIBLE	10	5%	1/2W F
R429	Δ.1-217-446-00	FUSIBLE	100	5%	1/2W F
R430	Δ.1-217-434-00	FUSIBLE	10	5%	1/2W F
R431	Δ.1-217-434-00	FUSIBLE	10	5%	1/2W F
R432	Δ.1-217-434-00	FUSIBLE	10	5%	1/2W F
R433	Δ.1-217-434-00	FUSIBLE	10	5%	1/2W F
R434	Δ.1-217-151-00	RES, METAL PLATE	0.22		
R435	Δ.1-217-151-00	RES, METAL PLATE	0.22		
R436	Δ.1-217-151-00	RES, METAL PLATE	0.22		
R437	Δ.1-217-151-00	RES, METAL PLATE	0.22		
R438	Δ.1-247-692-11	CARBON	22	5%	1/4W F
R439	Δ.1-247-692-11	CARBON	22	5%	1/4W F
R440	Δ.1-247-715-11	CARBON	1.5K 5%	1/4W F	
R441	1-249-460-11	CARBON	15K 5%	1/4W	
R442	Δ.1-217-582-00	CEMENTED	8.2	10%	5W
R443	1-247-727-11	CARBON	10	5%	1/2W
R444	Δ.1-217-446-00	FUSIBLE	100	5%	1/2W F
R445	Δ.1-217-446-00	FUSIBLE	100	5%	1/2W F
R446	Δ.1-216-431-11	METAL OXIDE	560	5%	1W F
R447	Δ.1-217-426-00	FUSIBLE	2.2	5%	1/2W F
R448	Δ.1-217-426-00	FUSIBLE	2.2	5%	1/2W F
R449	Δ.1-247-688-11	(G-AEP)...CARBON	10	5%	1/4W F
R451	1-202-727-00	CARBON	4.7M 5%	1/3W	
R452	1-247-713-11	CARBON	1K	1/4W	

## ELECTRICAL PARTS

Ref.No.	Part No.	Description			
R453	1-247-692-11	CARBON	22	5%	1/4W
R454	1-247-692-11	CARBON	22	5%	1/4W
R455	1-247-717-11	CARBON	2.2K	5%	1/4W
R456	1-247-704-11	CARBON	220		1/4W
R457	1-247-700-11	CARBON	100		1/4W
R458	1-247-704-11	CARBON	220		1/4W
R459	1-247-704-11	CARBON	220		1/4W
R460	1-246-545-00	CARBON	1M		1/4W
R462	Δ.1-217-440-00	FUSIBLE	33	5%	1/2W F
R463	1-249-490-11	CARBON	27K	5%	1/2W
R464	1-247-704-11	CARBON	220	5%	1/4W
R465	1-246-531-00	CARBON	270K		1/4W
R466	1-247-740-11	CARBON	120		1/2W
R467	1-249-486-11	CARBON	12K		1/2W
R468	1-247-764-11	CARBON	10K		1/2W
R469	1-202-727-00	CARBON	4.7M 5%	1/3W	
R470	1-247-715-11	CARBON	1.5K 5%	1/4W	
R471	1-247-721-11	CARBON	4.7K 5%	1/4W	
R472	Δ.1-217-446-00	FUSIBLE	100	5%	1/2W F
R473	Δ.1-247-710-11	CARBON	560	5%	1/4W
R474	1-247-718-11	CARBON	2.7K	5%	1/4W
R475	1-247-710-11	CARBON	560	5%	1/4W
R476	Δ.1-217-454-00	FUSIBLE	470	5%	1/2W F
R477	Δ.1-217-434-00	FUSIBLE	10	5%	1/2W F
R478	Δ.1-217-434-00	FUSIBLE	10	5%	1/2W F
R479	Δ.1-217-446-00	FUSIBLE	100	5%	1/2W F
R480	Δ.1-217-434-00	FUSIBLE	10	5%	1/2W F
R481	Δ.1-217-434-00	FUSIBLE	10	5%	1/2W F
R482	Δ.1-217-434-00	FUSIBLE	10	5%	1/2W F
R483	Δ.1-217-434-00	FUSIBLE	10	5%	1/2W F
R484	Δ.1-217-151-00	RES, METAL PLATE	0.22		
R485	Δ.1-217-151-00	RES, METAL PLATE	0.22		
R486	Δ.1-217-151-00	RES, METAL PLATE	0.22		
R487	Δ.1-217-151-00	RES, METAL PLATE	0.22		
R488	Δ.1-247-692-11	CARBON	22	5%	1/4W F
R489	Δ.1-247-692-11	CARBON	22	5%	1/4W F
R490	Δ.1-247-715-11	CARBON	1.5K 5%	1/4W F	
R491	1-249-460-11	CARBON	15K 5%	1/4W	
R492	Δ.1-217-582-00	CEMENTED	8.2	10%	5W
R493	1-247-727-11	CARBON	10	5%	1/2W
R494	Δ.1-217-446-00	FUSIBLE	100	5%	1/2W F
R495	Δ.1-217-446-00	FUSIBLE	100	5%	1/2W F
R496	Δ.1-216-431-11	METAL OXIDE	560	5%	1W F
R497	Δ.1-217-426-00	FUSIBLE	2.2	5%	1/2W F
R498	Δ.1-217-426-00	FUSIBLE	2.2	5%	1/2W F
R499	Δ.1-247-688-11	(G-AEP)...CARBON	10	5%	1/4W F
R504	1-247-724-11	CARBON	8.2K	5%	1/4W
R505	Δ.1-247-120-00	CARBON	360	5%	1/4W F
R506	Δ.1-216-430-11	METAL OXIDE	390	5%	1W F
R507	Δ.1-213-142-00	METAL OXIDE	820	5%	1W F
R601	1-246-533-00	CARBON	330K		1/4W
R602	1-246-529-00	CARBON	220K		1/4W
R603	1-247-725-11	CARBON	10K	5%	1/4W
R604	1-246-533-00	(G-AEP)...CARBON	330K		1/4W
R604	1-249-461-11	(EXCEPT FOR G-AEP) ...CARBON	18K	5%	1/4W

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

# TA-F444ESX/F700ES

## ELECTRICAL PARTS

Ref.No.	Part No.	Description				
R605	1-246-531-00	CARBON	270K	5%	1/4W	
R606	1-249-460-11	CARBON	15K	5%	1/4W	
R607	1-249-462-11	CARBON	22K	5%	1/4W	
R608	1-249-462-11	CARBON	22K	5%	1/4W	
R609	1-247-721-11	CARBON	4.7K	5%	1/4W	
R610	Δ.1-206-640-00	METAL OXIDE	100	5%	2W	F
R611	Δ.1-206-640-00	METAL OXIDE	100	5%	2W	F
R612	Δ.1-213-131-00	METAL OXIDE	100	5%	1W	F
R614	Δ.1-249-489-11	CARBON	22K	5%	1/2W	F
R615	Δ.1-216-455-11	METAL OXIDE	560	5%	2W	F
R616	Δ.1-216-455-11	METAL OXIDE	560	5%	2W	F
R617	Δ.1-213-132-00	METAL OXIDE	120	5%	1W	F
R618	Δ.1-213-141-00	METAL OXIDE	680	5%	1W	F
R619	1-249-462-11	CARBON	22K	5%	1/4W	
R620	1-249-462-11	CARBON	22K	5%	1/4W	
R621	1-247-128-00	CARBON	750	5%	1/4W	
R630	Δ.1-217-434-00	(G-AEP)...FUSIBLE	10	5%	1/2W	F
R651	1-246-533-00	CARBON	330K		1/4W	
R680	Δ.1-217-434-00	(G-AEP)...FUSIBLE	10	5%	1/2W	F
R701	Δ.1-213-086-00	FUSIBLE	120	5%	1W	F
R751	Δ.1-213-086-00	FUSIBLE	120	5%	1W	F
RT401	1-224-550-21	RES, ADJ, SOLID 220 (OFF SET)				
RT402	1-224-248-XX	RES, ADJ, SOLID 470 (BIAS)				
RT451	1-224-550-21	RES, ADJ, SOLID 220 (OFF SET)				
RT452	1-224-248-XX	RES, ADJ, SOLID 470 (BIAS)				
RY201	1-515-495-00	RELAY				
RY301	1-515-495-00	RELAY				
RY601	1-515-503-00	RELAY				
RY602	1-515-356-00	RELAY				
RY603	1-515-356-00	RELAY				
S101	1-554-879-11	SWITCH, SLIDE(INPUT SELECTOR)				
S102	1-570-593-11	SWITCH, SLIDE(REMOTE TYPE) (TAPE SELECTOR)				
S103	1-570-076-11	SWITCH, SLIDE (REMOTE TYPE) (REC OUT SELECTOR)				
S104	1-516-785-XX	SWITCH, SLIDE (ADAPTOR)				
S201	1-554-019-00	SWITCH, SLIDE (REMOTE TYPE) (CARTRIDGE LOAD)				
S301	1-570-594-11	SWITCH, PUSH (2 KEY)(MUTING)				
S302	1-570-595-11	SWITCH, PUSH (1 KEY)(SUB SONIC)				
S303	1-570-596-11	SWITCH, PUSH (3 KEY)(TONE)				
S304	1-570-594-11	SWITCH, PUSH (2 KEY)(SOURCE DIRECT)				
S305	1-570-596-11	SWITCH, PUSH (3 KEY)(TURNOVER)				
S306	1-570-596-11	SWITCH, PUSH (3 KEY)(TURNOVER)				
S501	1-570-592-11	SWITCH, ROTARY (MODE)				
S601	1-554-876-11	SWITCH, ROTARY (SPEAKER)				

## ELECTRICAL PARTS

Ref.No.	Part No.	Description
S801	Δ.1-552-084-00	(E)....SWITCH, PUSHBUTTON (POWER)
S801	Δ.1-552-246-00	(US,Canadian)....SWITCH, PUSHBUTTON (POWER)
S801	Δ.1-554-880-11	(AEP,G-AEP,UK)...SWITCH, PUSHBUTTON (POWER)
T1	Δ.1-448-631-11	(UK,G-AEP)....TRANSFORMER, POWER
T1	Δ.1-448-632-11	(E).....TRANSFORMER, POWER
T1	Δ.1-448-633-11	(US,Canadian)...TRANSFORMER, POWER
T1	Δ.1-448-634-11	(AEP).....TRANSFORMER, POWER
VR301	1-237-113-11	RES, VAR, CARBON 150K/150K (BALANCE)
VR302	1-237-174-11	RES, VAR, CARBON 250K/250K (TREBLE)
VR303	1-237-173-11	RES, VAR, CARBON 1M/500K/1M/500K (BASS)
VR304	1-237-175-11	RES, VAR, CARBON 120K/120K (ATTENUATOR)
VS801	Δ.1-526-576-31	(E)...SELECTOR, POWER VOLTAGE

## ACCESSORY & PACKING MATERIAL

Part No.	Description
Δ.1-526-565-00	(E)...AC PLUG ADAPTOR
2-297-403-00	SHEET (LARGE), PROTECTION
3-701-630-00	BAG, POLYETHYLENE
3-765-111-12	MANUAL, INSTRUCTION
4-908-877-01	CUSHION
4-908-883-01	SPACER
4-908-893-01	(E)...INDIVIDUAL CARTON
4-916-749-01	(EXCEPT FOR E)...INDIVIDUAL CARTON

The components identified by shading and mark are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

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English

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